TC-V7700

SERVICE MANUAL

AEP Model
UK Model

Model Name Using Similar Mechanism	TC-AV1
Tape Transport Mechanism Type	TCM-CMAY B-25 (DECK-A) TCM-CMAY B-24 (DECK-B)

SPECIFICATIONS

Recording system
4-track 2-channel stereo
Fast-forward and rewind time
Approx. 90 sec. (with C-60 cassette)
Bias
AC Bias
Signal-to-noise ratio (NAB, at peak level)

Cassette \ Dolby NR switch	OFF	B-TYPE ON	C-TYPE ON
TYPE IV (Sony METAL-ES)	58 dB	65 dB	71 dB
TYPE II (Sony UX-S)	57 dB	64 dB	70 dB
TYPE I (Sony HF-S)	54 dB	61 dB	67 dB

Total harmonic distortion
1.0% (with Sony METAL-ES cassettes)

Frequency response (DOLBY NR OFF)

TYPE IV cassette (Sony METAL-ES)	30–15,000 Hz (±3 dB, DIN) 30–13,000 Hz (0VU recording)
TYPE II cassette (Sony UX-S)	30–15,000 Hz (±3 dB, DIN)
TYPE I cassette (Sony HF-S)	30–14,000 Hz (±3 dB, DIN)

Wow and flutter
0.07% WRMS (NAB)
±0.2% (DIN)

Inputs

Line inputs (phono jacks)	Sensitivity	77.5 mV (–20 dB)
	Input impedance	50 k ohms

Outputs

Line outputs (phono jacks)	Rated output level	0.44 V (–5 dB) at a load impedance 47 k ohms
	Load impedance	Over 10 k ohms

– Continued on page 2 –

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ▯▯ are trademarks of Dolby Laboratories Licensing Corporation.

MICROFILM

STEREO CASSETTE DECK

SONY®

General

Power requirements	Model for European countries 220 V AC (or 240 V AC adjustable by Sony personnel), 50/60 Hz Model for the United Kingdom 240 V AC (or 220 V AC adjustable by Sony personnel), 50/60 Hz
Power consumption	29 W
Dimensions	Approx.355x130x315 mm (w/h/d) (14x5$\frac{1}{8}$x12$\frac{1}{2}$ inches) including projecting parts and controls
Weight	Approx. 5.4 kg (11 lbs 15 oz)
Supplied accessory	Audio connecting cord (2)

Design and specifications subject to change without notice.

Note
This appliance conforms with EEC Directives 76/889 and 82/499 regarding interference suppression.

TABLE OF CONTENTS

Section Title Page

Specifications ·· 1
Model Identification ···································· 1

SECTION 1. GENERAL
Location of Controls ···························· 3
Troubleshooting Guide ························· 4

SECTION 2. MACHANICAL AND ELECTRICAL ADJUSTMENT ························· 5

SECTION 3. DIAGRAMS
3-1. printed Wiring Boards ··················· 10
3-2. Schematic Diagram ······················ 15

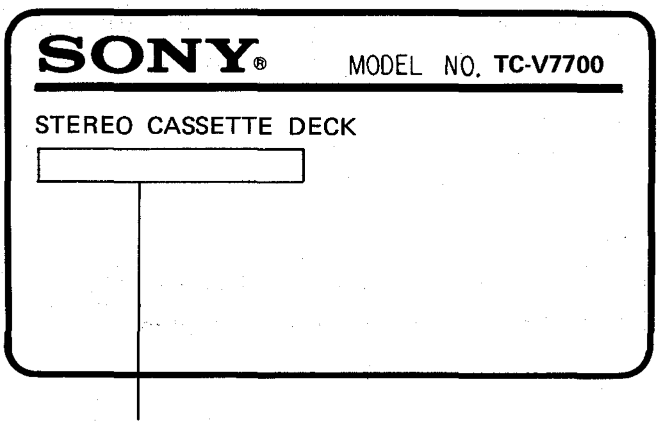
SECTION 4. EXPLODED VIEW AND PARTS LIST · 21

SECTION 5. ELECTRICAL PARTS LIST ··········· 27

◆ ◆ ◆

MODEL IDENTIFICATION

– Specification Label –



AEP model : 220V~50/60Hz 29W
UK model : 240V~50/60Hz 29W

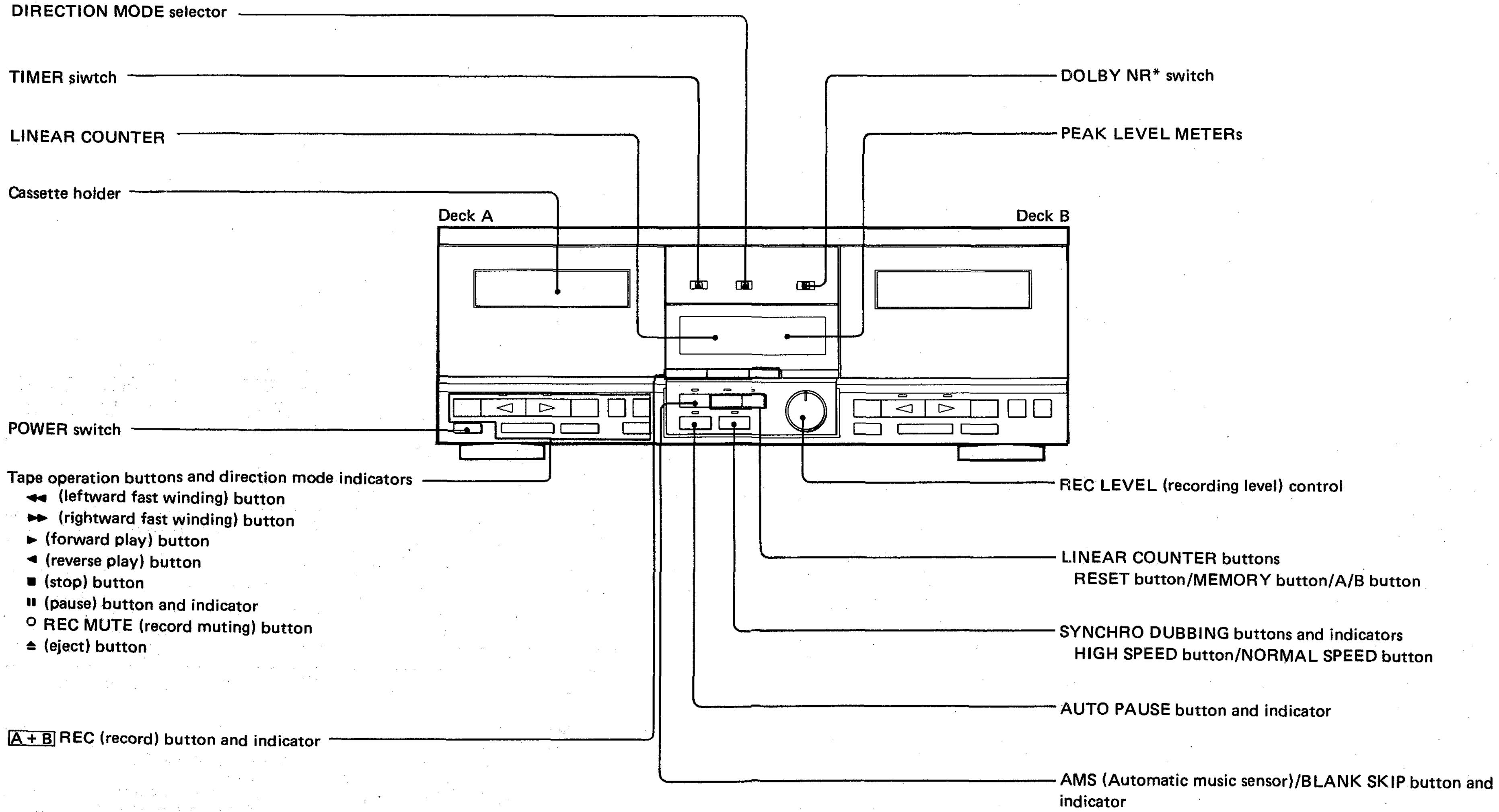
◆ ◆ ◆

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
GENERAL

Location of Controls



DIRECTION MODE selector

TIMER siwtch

LINEAR COUNTER

Cassette holder

POWER switch

Tape operation buttons and direction mode indicators
- ◄◄ (leftward fast winding) button
- ►► (rightward fast winding) button
- ► (forward play) button
- ◄ (reverse play) button
- ■ (stop) button
- ❚❚ (pause) button and indicator
- ○ REC MUTE (record muting) button
- ≙ (eject) button

A + B REC (record) button and indicator

DOLBY NR* switch

PEAK LEVEL METERs

REC LEVEL (recording level) control

LINEAR COUNTER buttons
RESET button/MEMORY button/A/B button

SYNCHRO DUBBING buttons and indicators
HIGH SPEED button/NORMAL SPEED button

AUTO PAUSE button and indicator

AMS (Automatic music sensor)/BLANK SKIP button and indicator

---

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ᗡD are trademarks of Dolby Laboratories Licensing Corporation.

Troubleshooting Guide

The following trouble checks will help you correct the most common problems encountered with your tape deck. Should any problems persist after you have made these checks, consult your nearest Sony dealer.

Before proceeding with these trouble checks, first check these basic points:

- The power cord is firmly connected.
- Amplifier connections are firmly made.
- Heads, capstans and pinch rollers are clean.
- The amplifier controls and switches are set correctly.

FUNCTION BUTTONS AND TAPE TRANSPORT PROBLEMS

Symptom	Cause	Remedy
Function buttons do not activate.	Cassette holder is not fully closed.	Close the holder completely.
Playback or recording begins just as the power is turned on.	The TIMER switch is not set to OFF.	Set the TIMER switch to OFF.
● button does not activate.	No cassette in the holder.	Insert a cassette.
	Tab has been removed from the cassette.	Cover the hole with plastic tape.
Automatic shut-off mechanism activates before the tape comes to its end.	Tape is slack.	Take up the tape slack.
	Cassette shell is deformed.	Use another cassette.
	The MEMORY function is activated.	Press the MEMORY button to deactivate the function.
	The inside of the cassette holder is illuminated by strong light.	Remove the light source.
Excessively loud tape transport noise when rewinding or fast-forwarding	This depends on the cassette used and is not a problem.	—
The cassette holder does not open.	⏏ button was pressed immediately after the ◀, ▶ or ■ button was pressed.	Turn the power off, and then press the button.

RECORDING AND PLAYBACK PROBLEMS

Symptom	Cause	Remedy
Quick reverse function does not operate.	DIRECTION MODE selector is set to ⇄.	Set the selector to ⟲.
Recording or playback cannot be made or there is a decrease in sound level.	Record/playback and erase heads are either dirty or magnetized.	Clean or demagnetize the heads.
	Improper connection	Make connections properly.
	Improper setting of the amplifier controls	Set the amplifier controls to the appropriate positions.
Excessive wow, flutter or dropout	Head, capstan or pinch roller is dirty.	Clean in accordance with instructions
Incomplete erasure	Erase head is dirty.	Clean the erase head.
Increased noise or poor reproduction in high frequencies	Head is magnetized.	Demagnetize the head.
Unbalanced tone in high frequencies	Improper setting of the DOLBY NR switch.	During playback, set the switch to the same position used in recording.
	The unit is placed near a television set.	Move the deck away from the television set.
The desired selection cannot be located even if you activate the AMS.	There is noise in the space between selections.	—
	The space is less than 4 seconds long.	Press ○ to insert a longer blank space.
	The ◀◀ or ▶▶ button is pressed immediately before or after the beginning of the following selection.	—
Playback or fast-winding may begin in the middle of the slection when AMS or blank skip is activated.	The following will be treated as blanks: —a long pause in the music —a passage of low frequencies or very low volume —gradual increase or decrease of volume	—

NOISE

Symptom	Cause	Remedy
Hum noise	The deck is stacked on or under the amplifier.	Separate the units.
Noise is recorded.	Recording was made near such equipment as a television set or a color monitor, and the interference has affected the recording on the tape and the Dolby NR system.	Move the unit away from television set or color monitor.

SECTION 2
MECHANICAL AND ELECTRICAL AJUSTMENTS

MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :

record／playback head	pinch roller
erase head	rubber belts
capstan	idlers

2. Demagnetize the record／playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	30 to 70 g・cm (0.42 to 0.97 oz・inch)
FWD BACK TENTION	CQ-102C	2 to 6 g・cm (0.03 to 0.08 oz・inch)
REV	CQ-102RC	30 to 70 g・cm (0.42 to 0.97 oz・inch)
REV BACK TENTION	CQ-102C	2 to 6 g・cm (0.03 to 0.08 oz・inch)
FF, REW	CQ-201B	90 to 160 g・cm (1.26 to 2.22 oz・inch)

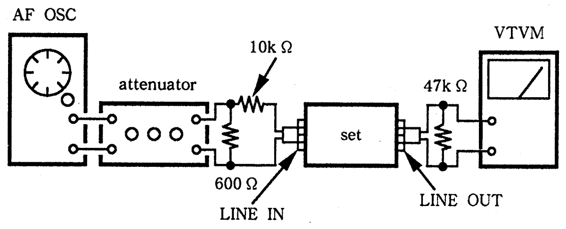
ELECTRICAL ADJUSTMENTS

Note : The adjustment should be performed in the order given in this service manual.
The adjustments should be performed for both L-CH and R-CH.

- Switches and controls should be set as follows unless otherwise specified.
  DOLBY NR switch : OFF
  TIMER switch : OFF

- Standard Record : (CN705 : Short)
  Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

– Record Mode –


AF OSC
attenuator
10k Ω
600 Ω
LINE IN
set
47k Ω
VTVM
LINE OUT

Standard Input Level

	LINE IN
source impedance	10k Ω
input level	0.25V (−10 dB)

Standard Output Level

	LINE IN
load impedance	47k Ω
output level	0.44V (−5 dB)

Test Tape

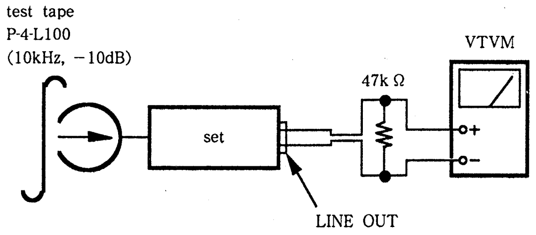
Type	Signal	Used for
P-4-A100	10kHz, −10dB	Azimuth Adjustment
P-4-L300	315Hz 0dB	Level Adjustment
WS-48B	3kHz 0dB	Tape Speed Adjustment

Record／playback Head Azimuth Adjustment

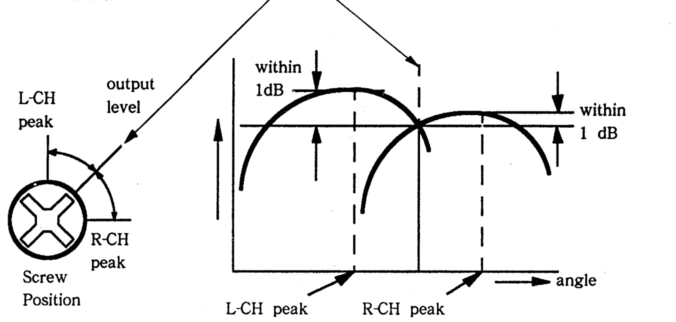
Deck-A **Deck-B**

Procedure :

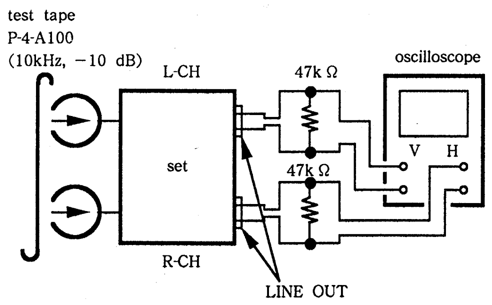
1. Mode : forward playback


test tape
P-4-L100
(10kHz, −10dB)
set
47k Ω
VTVM
+
−
LINE OUT

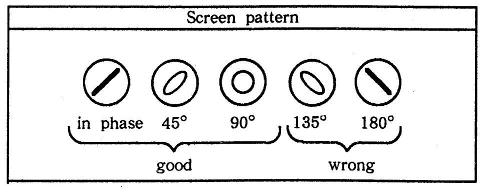
2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screws until both of output levels match together within 1 dB.


L-CH peak
output level
within 1dB
within 1 dB
R-CH peak
Screw Position
L-CH peak
R-CH peak
angle

3. Mode : playback

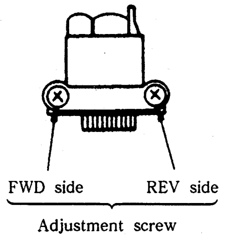

test tape
P-4-A100
(10kHz, −10 dB)
L-CH
set
R-CH
47k Ω
47k Ω
oscilloscope
V H
LINE OUT

- Phase Check


Screen pattern
in phase
45°
90°
135°
180°
good
wrong

4. Set in the reverse mode and repeat the steps 1-2.
5. After the adjustment, lock the screws with locking compound.

Adjustment Location : record／playback head

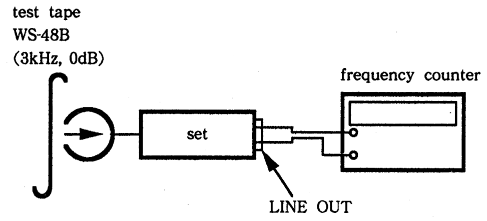

FWD side
REV side
Adjustment screw

Tape Speed Adjustment

Deck-A **Deck-B**

Procedure :

Mode : forward playback


test tape
WS-48B
(3kHz, 0dB)
set
frequency counter
LINE OUT

Playback the beginning of test tape WA-48B, and

adjust deck-A : RV703 (high speed),
RV704 (normal speed)
deck-B : RV701 (high speed),
RV702 (normal speed) , so that the

reading on frequency counter meets the specification below. Frequency difference between deck-A and deck-B should be within 1.5% (high speed : 90Hz, normal speed : 45Hz).

Specifications :

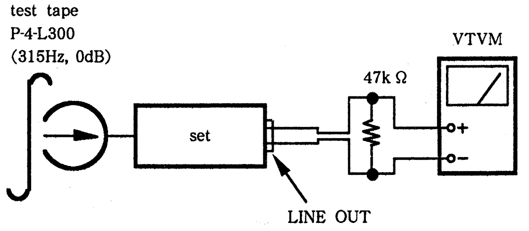
	Deck	Adjustment part	Test pin (TP-X2)	Frequency counter
High speed	A	RV703	SHORT	5,960−6,040Hz
	B	RV701		
Normal speed	A	RV704	OPEN	2,980−3,020Hz
	B	RV702		

Playback Level Adjustment

Deck-A **Deck-B**

Procedure :

Mode : forward playback


test tape
P-4-L300
(315Hz, 0dB)
VTVM
47k Ω
set
LINE OUT
+
−

Adjust {deck A : RV101 (L-CH), 201 (R-CH)
deck B : RV111 (L-CH), 211 (L-CH)} so
that the reading on VTVM meets the specification below.

Specification :

LINE OUT level : 0.14 to 0.46V
(−5.5 to −4.5dB)
Level difference between channels :
less than 0.5dB

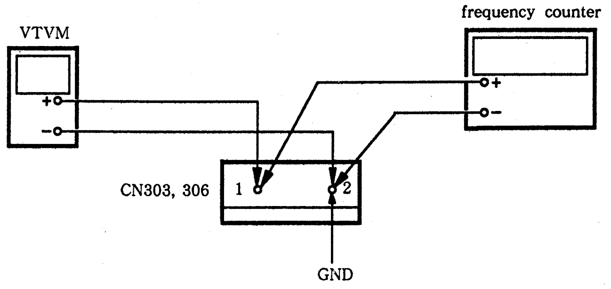
Check that the LINE OUT level dose not change in playback mode while changing the mode from playback to stop several times.

Erase Electric Current Adjustment

Deck-A **Deck-B**

Erase electric current adjustment is sure to front of record bias adjustment.
Behind the erase electric current adjustment, record bias adjustment do over again.

1. Connect CN303 (deck A) and CN306 (deck B) with VTVM and frequency counter.
2. Trimmer condenser CT301 (deck A) and CT302 (deck B) to loosen semi-revolution from maximun.
3. CS−42 in deck A/B and record mode.
4. Confirm frequency counter level is 205 to 215Hz.
5. Adjustment T302 (deck A) and T303 (deck B) so that the maximun VTVM level.
6. Adjustment RV301 (deck A) and CN302 (deck B) so that 160 to 165mA VTVM level.


VTVM
frequency counter
+
−
+
−
CN303, 306
1
2
GND

Record Bias Adjustment

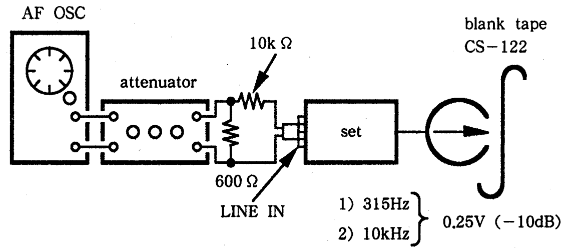
Deak-A **Deck-B**

Setting :

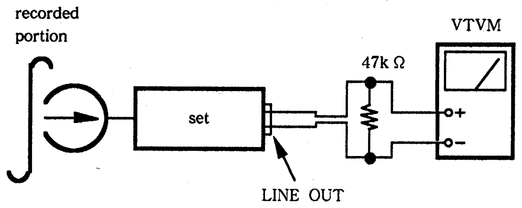
REC LEVEL control : standard record
(See page 5.)

Procedure :

1. Mode : record


AF OSC
attenuator
10k Ω
600 Ω
LINE IN
set
blank tape
CS−122
1) 315Hz
2) 10kHz
0.25V (−10dB)

2. Mode : playback


recorded
portion
VTVM
47k Ω
set
LINE OUT
+
−

Confirm that the 10kHz playback output is 0dB relative to the 315Hz output. If necessary,
adjust {deck A : CT301−1 (L-CH), CT301−2 (R-CH)
deck B : CT302−1 (L-CH), CT302−2 (R-CH)} and
repeat the steps given above.

Record Level Adjustment

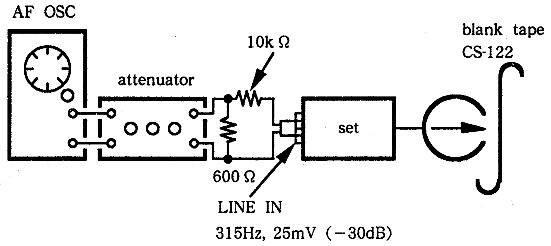
Deck-A **Deck-B**

Setting :

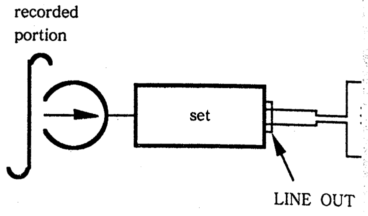
REC LEVEL control : standard record
(See page 5.)

Procedure :

1. Mode : record


AF OSC
attenuator
10k Ω
600 Ω
LINE IN
315Hz, 25mV (−30dB)
set
blank tape
CS-122

2. Mode : playback

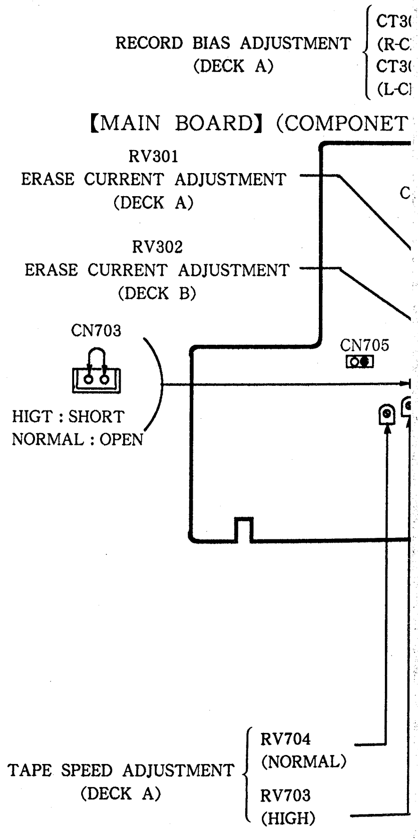

recorded
portion
set
LINE OUT

3. Playback the signal recorded in
Confirm that the signal level is w
below. If necessary,
adjust {deck A :RV121 (L-CH), R
deck B :RV131 (L-CH), R
repeat the step 1-3.

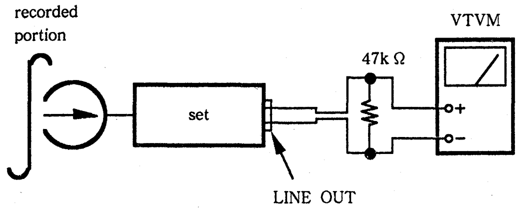
Specification :

LINE OUT level : 0.39−0.49V
(−6 to −4dB

Adjustment Parts Location


RECORD BIAS ADJUSTMENT
(DECK A)
CT3
(R-C
CT3
(L-C
【MAIN BOARD】 (COMPONET
RV301
ERASE CURRENT ADJUSTMENT
(DECK A)
RV302
ERASE CURRENT ADJUSTMENT
(DECK B)
CN703
HIGT : SHORT
NORMAL : OPEN
CN705
TAPE SPEED ADJUSTMENT
(DECK A)
RV704
(NORMAL)
RV703
(HIGH)

. Mode : playback

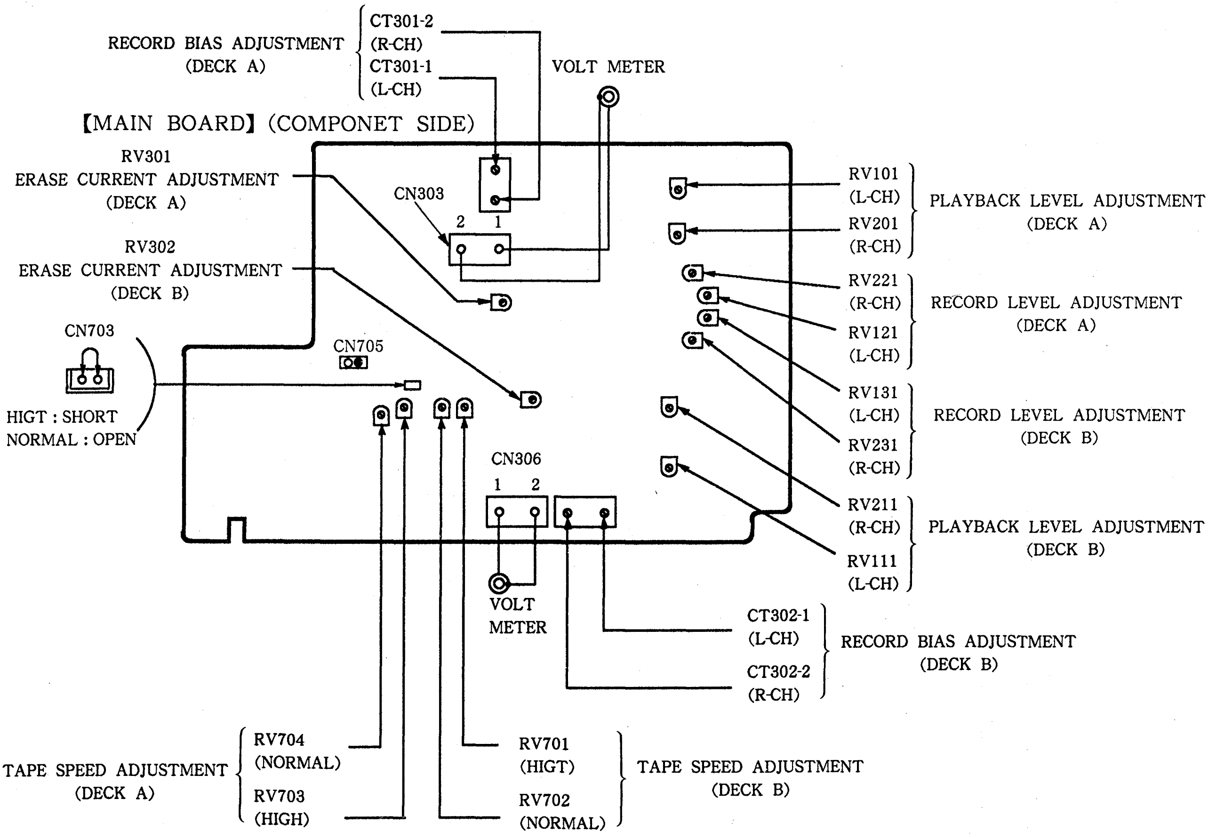

recorded
portion
VTVM
47k Ω
set
LINE OUT

. Playback the signal recorded in step 1.
Confirm that the signal level is within the specification below. If necessary,
adjust { deck A :RV121 (L-CH), RV221 (R-CH)
deck B :RV131 (L-CH), RV231 (R-CH) } and
repeat the step 1-3.

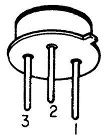
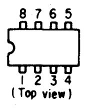
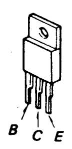
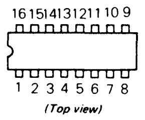
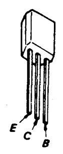
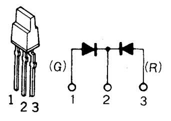
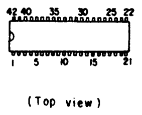
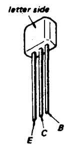
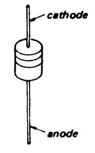
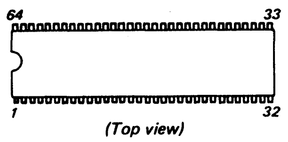
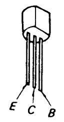
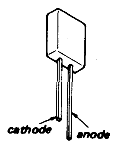
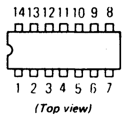
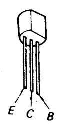
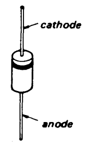
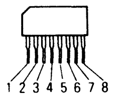
pecification :

LINE OUT level : 0.39－0.49V
(－6 to －4dB)

djustment Parts Location


RECORD BIAS ADJUSTMENT
(DECK A)
CT301-2
(R-CH)
CT301-1
(L-CH)
VOLT METER
【MAIN BOARD】(COMPONET SIDE)
RV301
ERASE CURRENT ADJUSTMENT
(DECK A)
CN303
2
1
RV302
ERASE CURRENT ADJUSTMENT
(DECK B)
CN703
HIGT : SHORT
NORMAL : OPEN
CN705
RV101
(L-CH)
RV201
(R-CH)
PLAYBACK LEVEL ADJUSTMENT
(DECK A)
RV221
(R-CH)
RV121
(L-CH)
RECORD LEVEL ADJUSTMENT
(DECK A)
RV131
(L-CH)
RV231
(R-CH)
RECORD LEVEL ADJUSTMENT
(DECK B)
RV211
(R-CH)
RV111
(L-CH)
PLAYBACK LEVEL ADJUSTMENT
(DECK B)
CN306
1
2
VOLT
METER
CT302-1
(L-CH)
CT302-2
(R-CH)
RECORD BIAS ADJUSTMENT
(DECK B)
TAPE SPEED ADJUSTMENT
(DECK A)
RV704
(NORMAL)
RV703
(HIGH)
RV701
(HIGT)
RV702
(NORMAL)
TAPE SPEED ADJUSTMENT
(DECK B)

Semiconductors Lead Layout

BX1393 	**M5218P** **μPC4570C-1** 	**2SB1094-L** **2SB1375** **2SD1585-L** **2SD2012** 
CXA1198P **TC4051BP** **TC4052BP** 	**DTA114ES** **DTA144ES** **DTC114ES** **DTC143TS** **DTC-144ES** **2SC634SP** **2SD1012** 	**GL9ND24** 
CX20187 	**2SA1175** **2SC3623-L** 	**HZS6A1L** **HZS7B2L** **HZS7C1L** 
MB88515B-233K **M50940-400SP** 	**2SB647** 	**SEL2910D-C** **SEL4225GM-C** **SEL4225RM-C** **SEL4925DM-C** 
M4011BP **M4066BP** 	**2SB1013** **2SC2001** **2SD774** **2SD1387** **2SD1388** 	**US1060M** **10E2N** 
M5218L 		

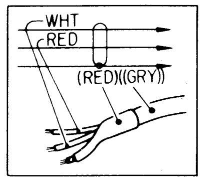
3 2 1
8 7 6 5
1 2 3 4
(Top view)
B C E
16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8
(Top view)
E C B
(G)
(R)
1 2 3
1 2 3
42 40 35 30 25 22
1 5 10 15 21
(Top view)
letter side
E C B
cathode
anode
64 33
1 32
(Top view)
E C B
cathode
anode
14 13 12 11 10 9 8
1 2 3 4 5 6 7
(Top view)
E C B
cathode
anode
1 2 3 4 5 6 7 8

SECTION 3
DIAGRAMS

Ref. No.	Location	Ref. No.	Location	Ref.No.	Location
IC301	E-3	Q611	B-15	D601	C-14
IC302	B-9	Q612	B-15	D602	C-14
IC303	G-9	Q613	C-14	D603	C-15
IC304	G-8	Q614	C-14	D604	C-15
IC305	D-9	Q701	G-12	D605	D-14
IC306	D-7	Q702	H-12	D606	D-14
IC307	F-9	Q703	I-12	D607	C-16
IC308	F-8	Q704	H-12	D608	C-16
IC341	G-22	Q705	H-12	D609	C-14
IC501	E-3	Q706	H-12	D610	C-14
IC502	C-3	Q707	G-12	D611	C-15
IC503	H-3	Q708	F-12	D612	C-13
		Q709	I-12	D613	C-12
		Q710	I-12	D614	D-14
Q151	E-2	Q711	H-13	D615	C-13
Q251	D-2				
Q301	B-7	Q712	H-13	D616	C-13
Q302	B-7	Q713	I-13	D617	D-13
Q303	B-6	Q714	H-13	D618	C-14
		Q715	H-13	D619	E-13
Q304	I-9	Q716	H-13	D701	G-12
Q305	I-8				
Q306	I-9	Q717	H-13	D702	F-12
Q307	J-9	Q718	G-13	D704	I-12
Q308	J-8	Q719	I-14	D705	I-12
		Q720	I-14	D706	H-14
Q309	I-9	Q721	E-14	D707	H-14
Q310	J-8				
Q313	F-6	Q722	E-14	D709	I-14
Q314	E-6	Q724	F-15	D710	J-13
Q315	I-8	Q726	F-18	D711	F-13
		Q727	F-18	D716	D-14
Q316	F-12	Q728	F-18	D717	E-15
Q317	D-11				
Q318	D-10	Q729	F-17	D718	C-16
Q319	D-10	Q730	F-17	D719	F-13
Q320	F-10	Q731	F-18	D801	H-20
		Q732	F-18	D802	H-20
Q321	G-11	Q734	F-18	D803	H-20
Q322	F-10				
Q323	F-10	Q742	F-15	D901	B-28
Q324	C-10	Q743	F-15	D902	B-29
Q325	D-10	Q744	F-15	D903	C-28
		Q745	E-15	D904	C-20
Q326	G-11	Q801	H-20	D905	D-27
Q327	G-11	Q802	G-21		
Q328	C-10			D906	D-23
Q329	D-10			D907	D-23
Q330	G-11	D141	G-22	D908	D-22
		D241	G-22	D909	D-22
Q331	G-11	D301	I-7	D910	D-23
Q332	C-11	D302	E-7	D911	B-27
Q333	F-10	D303	E-7		
Q501	D-3				
Q502	H-2	D304	I-9		
		D305	I-9		
Q601	B-13	D306	I-9		
Q602	B-13	D307	I-9		
Q603	C-12	D309	I-9		
Q604	C-13				
Q605	B-12	D310	I-8		
		D311	I-8		
Q606	B-12	D314	B-11		
Q607	B-12	D315	H-10		
Q608	B-14	D501	G-2		
Q609	C-14				
Q610	C-14				

Note:

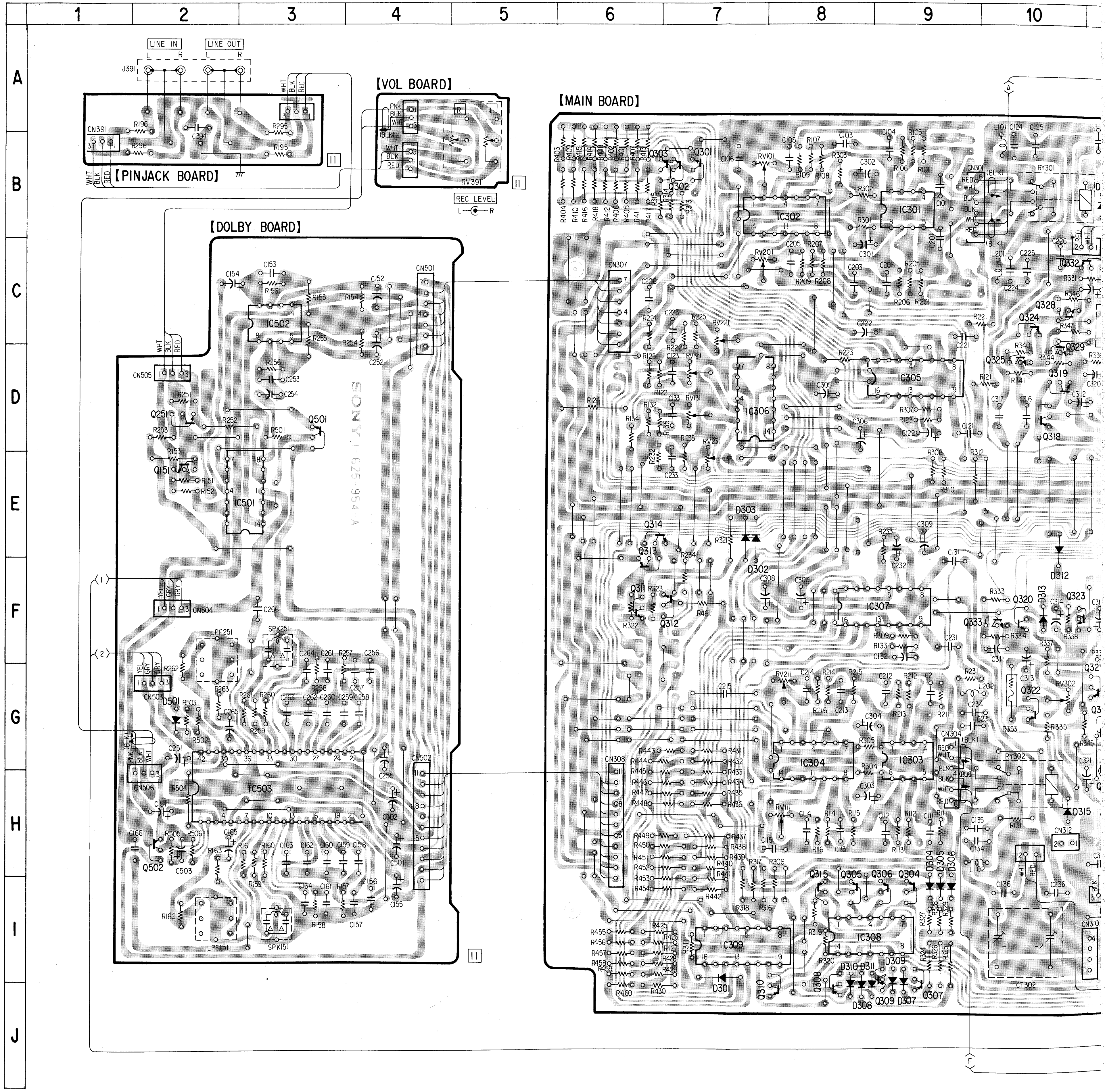
- Color code or sleeving over the end of the jacket.


WHT
RED
(RED)(GRY)

- ○—— : parts extracted from the component side.

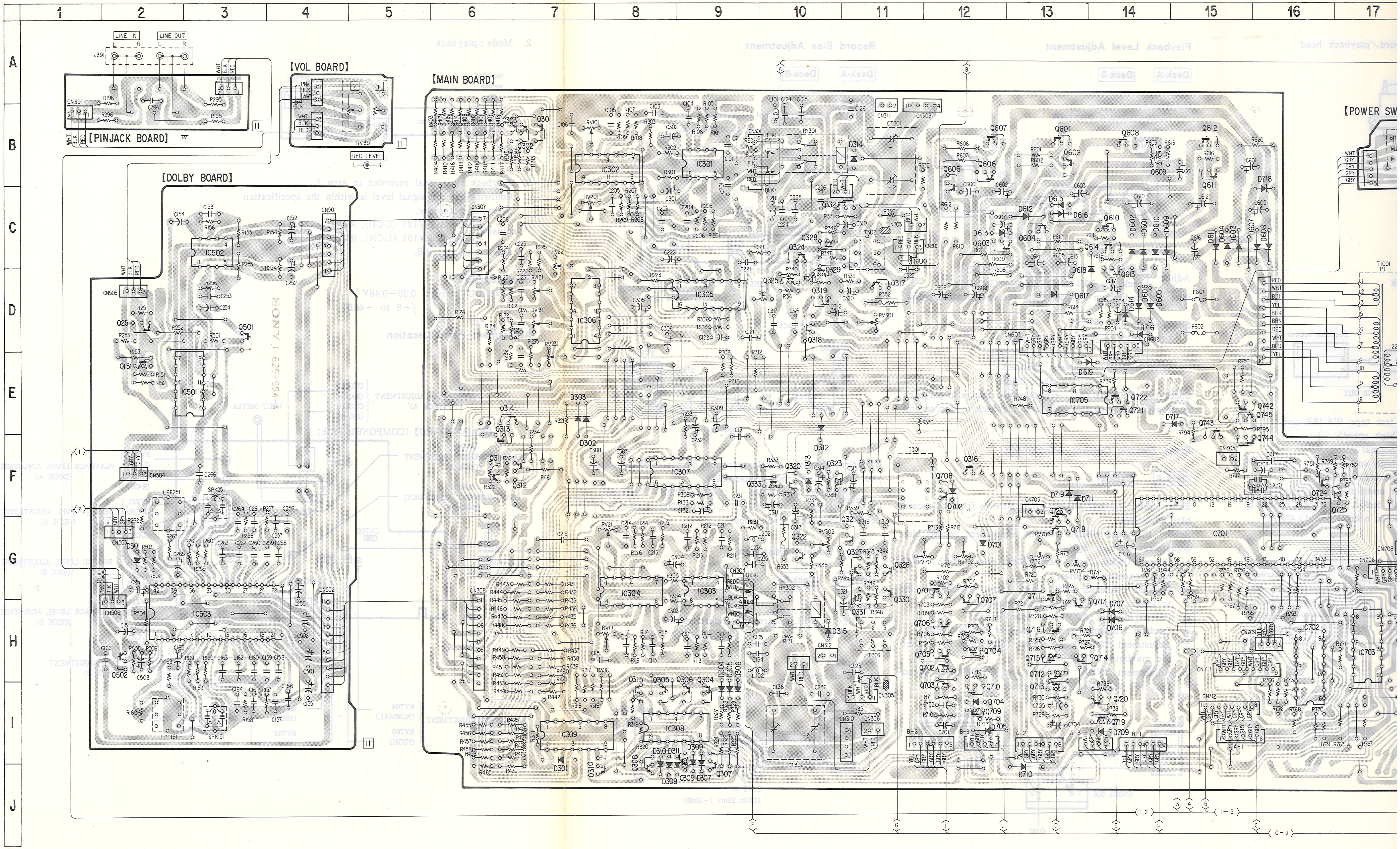
3-1. PRINTED WIRING BOARD

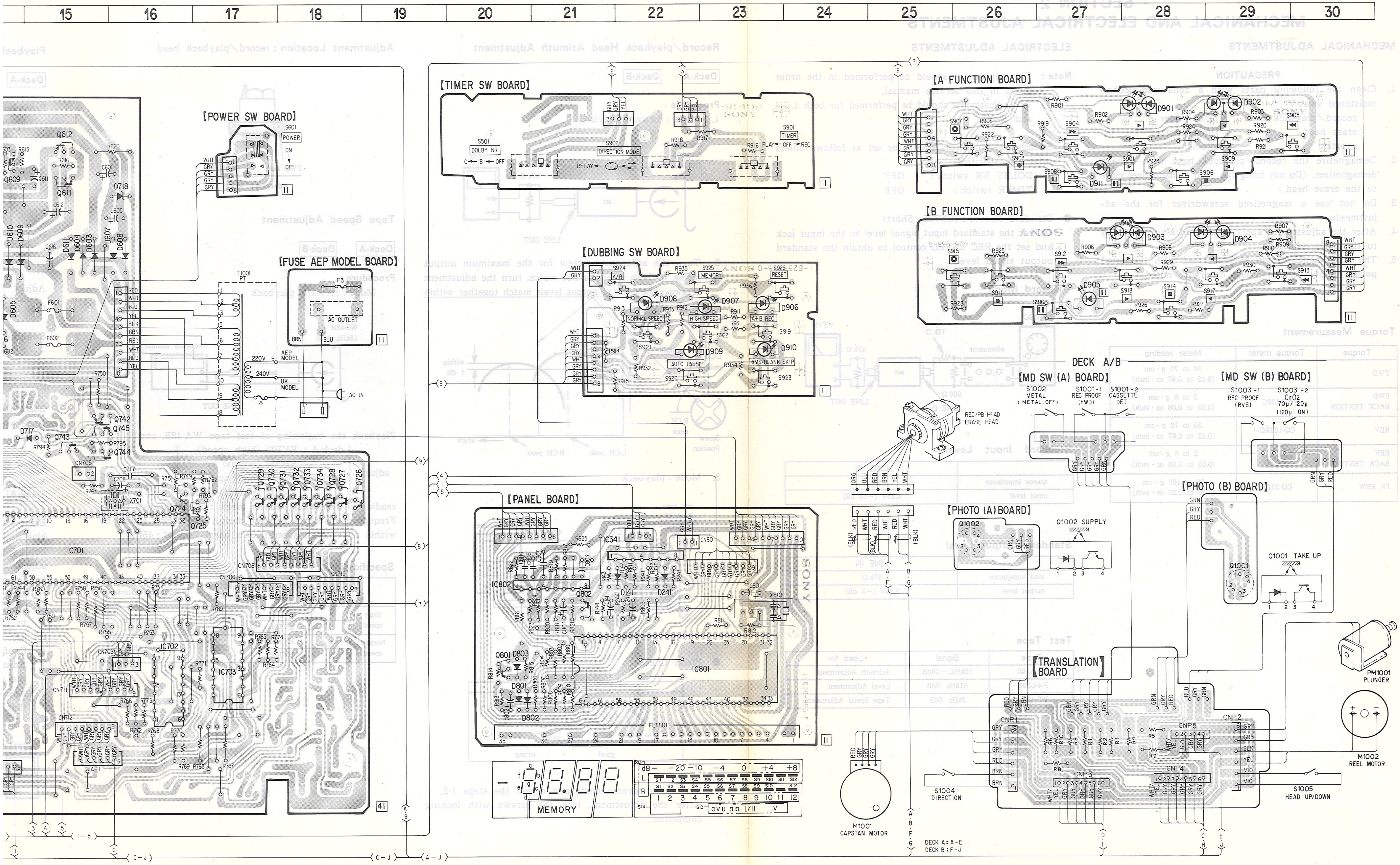
● See page 9 for semiconductor lead layouts.


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
H
I
J
LINE IN
L R
LINE OUT
L R
J391
CN391
[PINJACK BOARD]
WHT BLK RED
[VOL BOARD]
RV391
REC LEVEL
L R
[MAIN BOARD]
[DOLBY BOARD]
CN501
CN502
CN504
CN505
CN506
IC501
IC502
IC503
Q151
Q251
Q501
Q502
LPF151
LPF251
SPK151
SPK251
SONY 1-625-954-A
IC301
IC302
IC303
IC304
IC305
IC306
IC307
IC308
IC309
CN301
CN304
CN307
CN308
CN312
RY301
RY302
CT302
D301
D302
D303
D312
D315
Q301
Q302
Q303
Q311
Q312
Q313
Q314
Q318
Q319
Q320
Q323
Q324
Q328
Q333
(1)
(2)
A
F
II

3-1. PRINTED WIRING BOARD

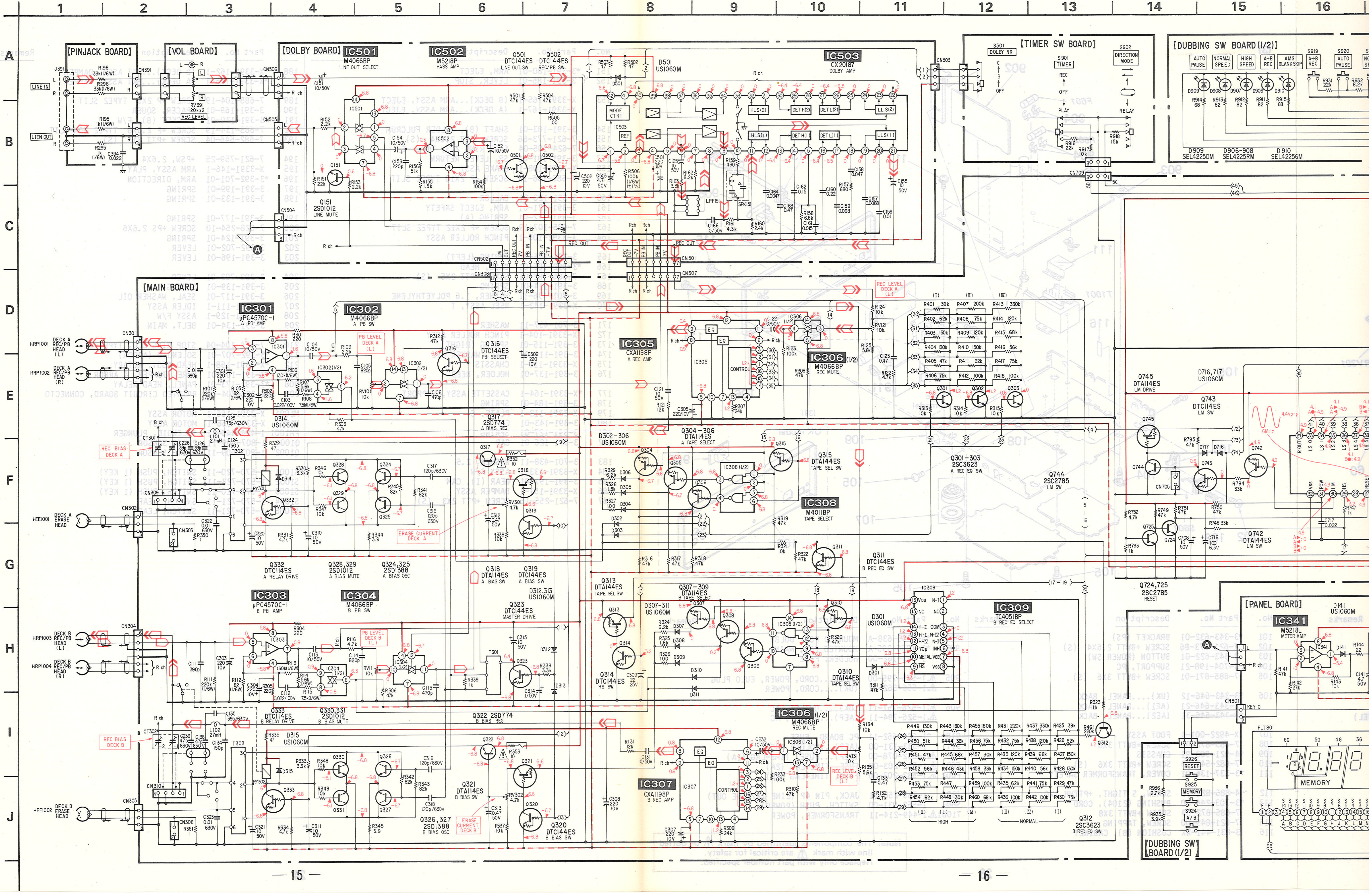
● See page 9 for semiconductor lead layouts.

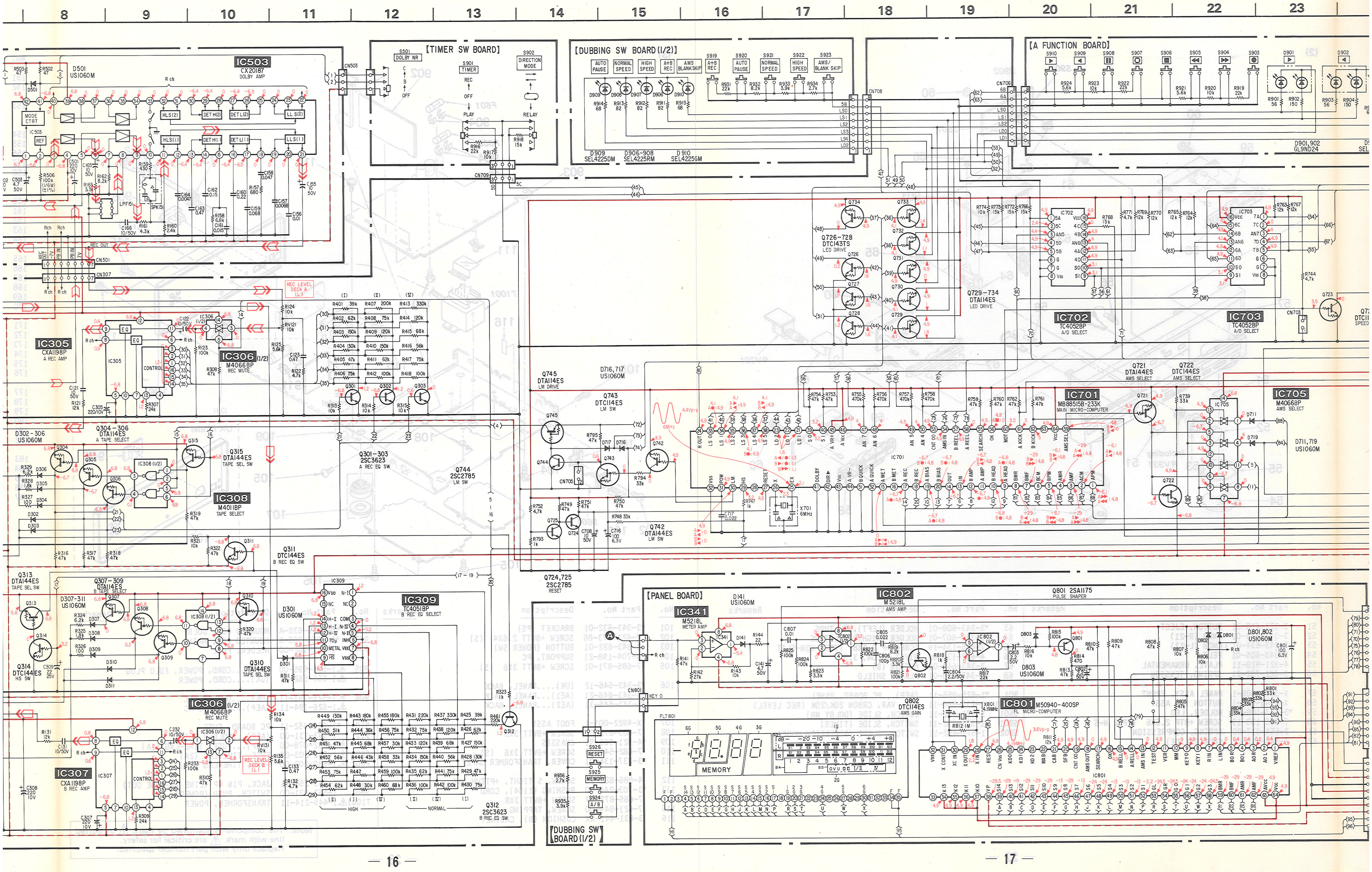

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
A
B
C
D
E
F
G
H
I
J
LINE IN
LINE OUT
J391
CN391
[PINJACK BOARD]
[VOL BOARD]
RV391
REC LEVEL
[MAIN BOARD]
[DOLBY BOARD]
[POWER SW
IC301
IC302
IC303
IC304
IC305
IC306
IC307
IC308
IC309
IC501
IC502
IC503
IC701
IC702
IC703
IC705
RY301
RY302
CT301
CT302
T301
T302
T303
T1001
LPF151
LPF251
SPK151
SPK251
CN501
CN502
CN503
CN504
CN505
CN506
CN307
CN308
CN603
CN703
CN705
CN711
CN712
SONY 1-625-954-

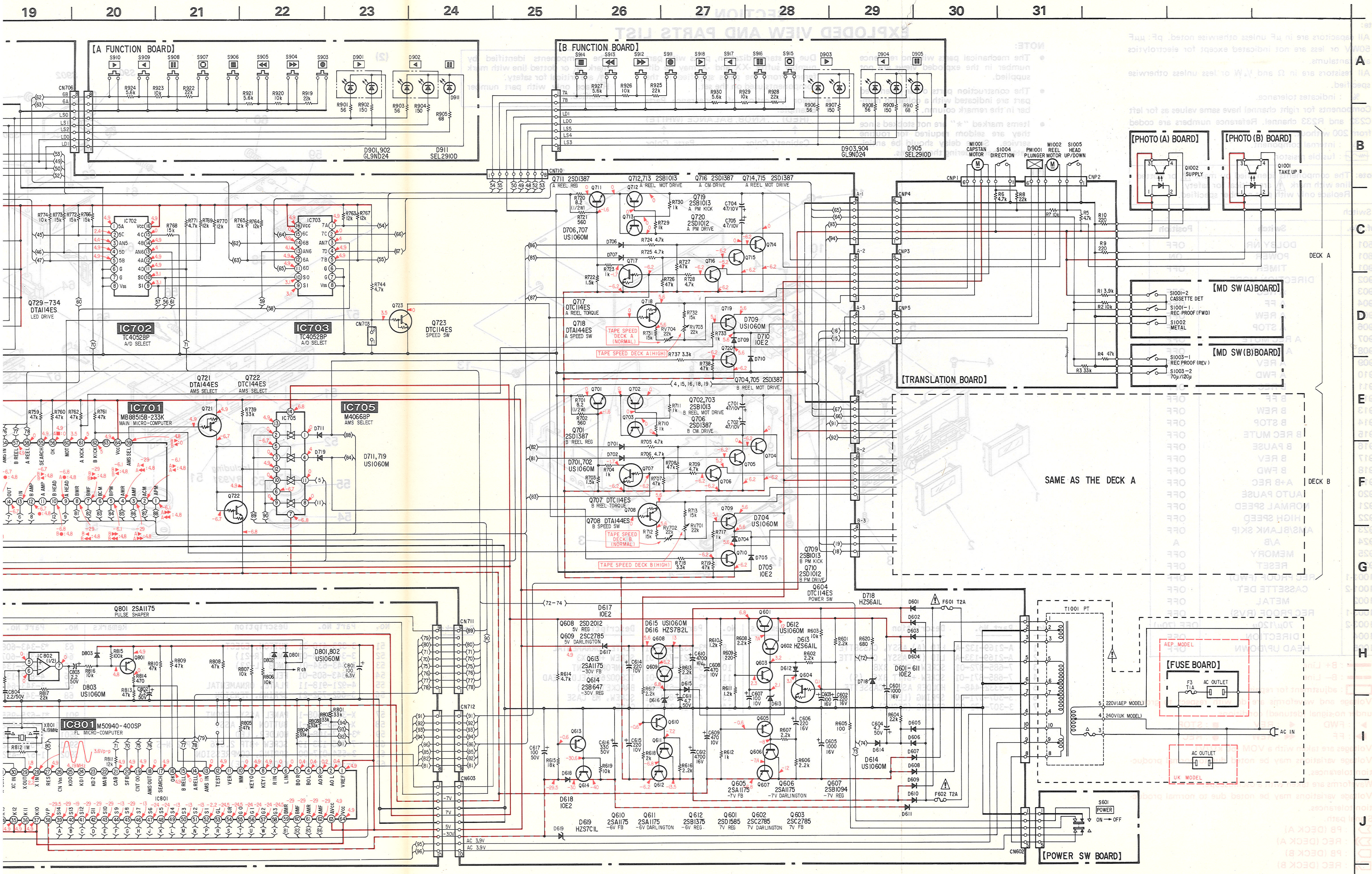

15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
[POWER SW BOARD]
S601 POWER
ON
OFF
[TIMER SW BOARD]
S501 DOLBY NR
C ← B → OFF
S902 DIRECTION MODE
RELAY
S901 TIMER
PLAY ← OFF → REC
[A FUNCTION BOARD]
D901
D902
D911
[B FUNCTION BOARD]
D903
D904
D905
[FUSE AEP MODEL BOARD]
F3
AC OUTLET
T1001 PT
220V
240V
AEP MODEL
UK MODEL
AC IN
[DUBBING SW BOARD]
S924 A/B
S925 MEMORY
S926 RESET
NORMAL SPEED
HIGH SPEED
A+B REC
AUTO PAUSE
AMS/BLANK SKIP
D906
D907
D908
D909
D910
IC701
IC702
IC703
[PANEL BOARD]
IC341
IC801
IC802
X801
FLT801
MEMORY
dB -20 -10 -4 0 +4 +8
L
R
DECK A/B
[MD SW (A) BOARD]
S1002 METAL (METAL:OFF)
S1001-1 REC PROOF (FWD)
S1001-2 CASSETTE DET
[MD SW (B) BOARD]
S1003-1 REC PROOF (RVS)
S1003-2 CrO2 70μ/120μ (120μ: ON)
REC/PB HEAD ERASE HEAD
[PHOTO (A) BOARD]
Q1002 SUPPLY
[PHOTO (B) BOARD]
Q1001 TAKE UP
PM1001 PLUNGER
M1002 REEL MOTOR
[TRANSLATION BOARD]
CNP1
CNP2
CNP3
CNP4
CNP5
S1004 DIRECTION
S1005 HEAD UP/DOWN
M1001 CAPSTAN MOTOR
DECK A: A-E
DECK B: F-J

3-2. SCHEMATIC DIAGRAM

● See page 19 for note.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
[PINJACK BOARD]
LINE IN
LINE OUT
[VOL BOARD]
RV391 20kx2 REC LEVEL
[DOLBY BOARD]
IC501 M4066BP LINE OUT SELECT
IC502 M5218P PASS AMP
Q501 DTC144ES LINE OUT SW
Q502 DTC144ES REC/PB SW
D501 US1060M
IC503 CX20187 DOLBY AMP
Q151 2SD1012 LINE MUTE
[TIMER SW BOARD]
S501 DOLBY NR
S901 TIMER
S902 DIRECTION MODE
REC
OFF
PLAY
RELAY
[DUBBING SW BOARD (1/2)]
AUTO PAUSE
NORMAL SPEED
HIGH SPEED
A+B REC
AMS BLANK SKIP
D909 SEL4225DM
D906-908 SEL4225RM
D910 SEL4225GM
[MAIN BOARD]
DECK A REC/PB HEAD (L)
DECK A REC/PB HEAD (R)
DECK A ERASE HEAD
DECK B REC/PB HEAD (L)
DECK B REC/PB HEAD (R)
DECK B ERASE HEAD
IC301 μPC4570C-1 A PB AMP
IC302 M4066BP A PB SW
Q316 DTC144ES PB SELECT
Q317 2SD774 A BIAS REG
D314 US1060M
REC BIAS DECK A
ERASE CURRENT DECK A
Q332 DTC114ES A RELAY DRIVE
Q328,329 2SD1012 A BIAS MUTE
Q324,325 2SD1388 A BIAS OSC
Q318 DTA144ES A BIAS SW
Q319 DTC144ES A BIAS SW
D312,313 US1060M
Q323 DTC144ES MASTER DRIVE
IC303 μPC4570C-1 B PB AMP
IC304 M4066BP B PB SW
Q333 DTC114ES B RELAY DRIVE
Q330,331 2SD1012 B BIAS MUTE
Q322 2SD774 B BIAS REG
D315 US1060M
REC BIAS DECK B
Q326,327 2SD1388 B BIAS OSC
Q321 DTA144ES B BIAS SW
Q320 DTC144ES B BIAS SW
ERASE CURRENT DECK B
IC305 CXA1198P A REC AMP
IC306 (1/2) M4066BP REC MUTE
REC LEVEL DECK A (L)
D302-306 US1060M
Q304-306 DTA144ES A TAPE SELECT
Q315 DTA144ES TAPE SEL SW
IC308 M4011BP TAPE SELECT
Q311 DTC144ES B REC EQ SW
Q301-303 2SC3623 A REC EQ SW
Q313 DTA144ES TAPE SEL SW
Q307-309 DTA144ES B TAPE SELECT
D307-311 US1060M
Q314 DTC144ES HS SW
Q310 DTA144ES TAPE SEL SW
D301 US1060M
IC309 TC4051BP B REC EQ SELECT
IC307 CXA1198P B REC AMP
IC306 (1/2) M4066BP REC MUTE
REC LEVEL DECK B (L)
Q312 2SC3623 B REC EQ SW
HIGH
NORMAL
Q745 DTA114ES LM DRIVE
D716,717 US1060M
Q743 DTC114ES LM SW
Q744 2SC2785 LM SW
Q742 DTA144ES LM SW
Q724,725 2SC2785 RESET
[PANEL BOARD]
IC341 M5218L METER AMP
D141 US1060M
FLT801
MEMORY
S926 RESET
S925 MEMORY
S924 A/B
[DUBBING SW BOARD (1/2)]


8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
IC503
CX20187
DOLBY AMP
D501
US1060M
[TIMER SW BOARD]
S501
DOLBY NR
S901
TIMER
REC
OFF
PLAY
S902
DIRECTION MODE
RELAY
[DUBBING SW BOARD (1/2)]
AUTO PAUSE
NORMAL SPEED
HIGH SPEED
A+B REC
AMS BLANK SKIP
D909 SEL4225DM
D906-908 SEL4225RM
D910 SEL4225GM
[A FUNCTION BOARD]
D901,902 GL9ND24
IC305
CXA1198P
A REC AMP
IC306
M4066BP
REC MUTE
REC LEVEL DECK A (L)
Q726-728
DTC143TS
LED DRIVE
Q729-734
DTA114ES
LED DRIVE
IC702
TC4052BP
A/D SELECT
IC703
TC4052BP
A/D SELECT
Q723
Q745
DTA114ES
LM DRIVE
D716,717
US1060M
Q743
DTC114ES
LM SW
Q301-303
2SC3623
A REC EQ SW
Q744
2SC2785
LM SW
Q721
DTA114ES
AMS SELECT
Q722
DTC114ES
AMS SELECT
IC701
MB88515B-233K
MAIN MICRO-COMPUTER
IC705
M4066BP
AMS SELECT
D711,719
US1060M
X701
6MHz
D302-306
US1060M
Q304-306
DTA114ES
A TAPE SELECT
Q315
DTA114ES
TAPE SEL SW
IC308
M4011BP
TAPE SELECT
Q311
DTC144ES
B REC EQ SW
Q742
DTA144ES
LM SW
Q724,725
2SC2785
RESET
Q313
DTA144ES
TAPE SEL SW
Q307-309
DTA114ES
B TAPE SELECT
D307-311
US1060M
Q314
DTC144ES
HS SW
D301
US1060M
Q310
DTA144ES
TAPE SEL SW
IC309
TC4051BP
B REC EQ SELECT
IC306 (1/2)
M4066BP
REC MUTE
REC LEVEL DECK B (L)
IC307
CXA1198P
B REC AMP
Q312
2SC3623
B REC EQ SW
[DUBBING SW BOARD (1/2)]
S926 RESET
S925 MEMORY
S924 A/B
[PANEL BOARD]
D141
US1060M
IC341
M5218L
METER AMP
IC802
M5218L
AMS AMP
Q801 2SA1175
PULSE SHAPER
D801,802
US1060M
D803
US1060M
Q802
DTC114ES
AMS GAIN
IC801
M50940-400SP
FL MICRO-COMPUTER
X801 4.19MHz
FLT801
MEMORY
CN503
CN501
CN307
CN709
CN708
CN706
CN703
CN705
CN801


19
20
21
22
23
24
25
26
27
28
29
30
31
A
B
C
D
E
F
G
H
I
J
[A FUNCTION BOARD]
S910
S909
S908
S907
S906
S905
S904
S903
D901
D902
CN706
D901,902 GL9ND24
D911 SEL2910D
[B FUNCTION BOARD]
S914
S913
S912
S911
S918
S917
S916
S915
D903
D904
D905
D903,904 GL9ND24
D905 SEL2910D
CN710
M1001 CAPSTAN MOTOR
S1004 DIRECTION
PM1001 PLUNGER
M1002 REEL MOTOR
S1005 HEAD UP/DOWN
CNP1
CNP2
CNP4
CNP3
CNP5
[PHOTO (A) BOARD]
Q1002 SUPPLY
[PHOTO (B) BOARD]
Q1001 TAKE UP
DECK A
[MD SW (A) BOARD]
S1001-2 CASSETTE DET
S1001-1 REC PROOF (FWD)
S1002 METAL
[MD SW (B) BOARD]
S1003-1 REC PROOF (REV)
S1003-2 70μ/120μ
[TRANSLATION BOARD]
SAME AS THE DECK A
DECK B
IC702 TC4052BP A/D SELECT
IC703 TC4052BP A/D SELECT
Q729-734 DTA114ES LED DRIVE
Q723 DTC114ES SPEED SW
CN703
Q721 DTA144ES AMS SELECT
Q722 DTC144ES AMS SELECT
IC701 MB88515B-233K MAIN MICRO-COMPUTER
IC705 M4066BP AMS SELECT
D711,719 US1060M
Q711 2SD1387 A REEL REG
Q712,713 2SB1013 A REEL MOT DRIVE
Q716 2SD1387 A CM DRIVE
Q714,715 2SD1387 A REEL MOT DRIVE
Q719 2SB1013 A PM KICK
Q720 2SD1012 A PM DRIVE
D706,707 US1060M
Q717 DTC114ES A REEL TORQUE
Q718 DTA144ES A SPEED SW
TAPE SPEED DECK A (NORMAL)
TAPE SPEED DECK A (HIGH)
D709 US1060M
D710 10E2
Q704,705 2SD1387 B REEL MOT DRIVE
Q701 2SD1387 B REEL REG
Q702,703 2SB1013 B REEL MOT DRIVE
Q706 2SD1387 B CM DRIVE
D701,702 US1060M
Q707 DTC114ES B REEL TORQUE
Q708 DTA144ES B SPEED SW
TAPE SPEED DECK B (NORMAL)
TAPE SPEED DECK B (HIGH)
D704 US1060M
D705 10E2
Q709 2SB1013 B PM KICK
Q710 2SD1012 B PM DRIVE
Q604 DTC114ES POWER SW
D718 HZS6A1L
Q801 2SA1175 PULSE SHAPER
IC802
D801,802 US1060M
D803 US1060M
IC801 M50940-400SP FL MICRO-COMPUTER
X801 4.19MHz
CN711
CN712
CN603
Q608 2SD2012 5V REG
Q609 2SC2785 5V DARLINGTON
D617 10E2
Q613 2SA1175 -30V FB
Q614 2SB647 -30V REG
D615 US1060M
D616 HZS7B2L
D612 US1060M
Q602 HZS6AIL
D601-611 10E2
D614 US1060M
D618 10E2
D619 HZS7C1L
Q610 2SA1175 -6V FB
Q611 2SA1175 -6V DARLINGTON
Q612 2SB1375 -6V REG
Q601 2SD1585 7V REG
Q602 2SC2785 7V DARLINGTON
Q603 2SC2785 7V FB
Q605 2SA1175 -7V FB
Q606 2SA1175 -7V DARLINGTON
Q607 2SB1094 -7V REG
F601 T2A
F602 T2A
T1001 PT
220V(AEP MODEL)
240V(UK MODEL)
AC IN
AEP MODEL
[FUSE BOARD]
F3 T1A
AC OUTLET
UK MODEL
S601 POWER ON → OFF
[POWER SW BOARD]
CN602
AC 3.9V
AC 3.9V

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- % : indicates tolerance.
- Components for right channel have same values as for left C232 and R233 channel. Reference numbers are coded from 200 without.
- △ : internal component.
- ▭ : fusible resistor.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- Switch

Ref. No.	Switch	Position
S501	DOLBY NR	OFF
S601	POWER	ON
S901	TIMER	OFF
S902	DIRECTION MODE	
S903	A REC	OFF
S904	A FF	OFF
S905	A REW	OFF
S906	A STOP	OFF
S907	A REC MUTE	OFF
S908	A PAUSE	OFF
S909	A REV	OFF
S910	A FWD	OFF
S911	B REC	OFF
S912	B FF	OFF
S913	B REW	OFF
S914	B STOP	OFF
S915	B REC MUTE	OFF
S916	B PAUSE	OFF
S917	B REV	OFF
S918	B FWD	OFF
S919	A+B REC	OFF
S920	AUTO PAUSE	OFF
S921	NORMAL SPEED	OFF
S922	HIGH SPEED	OFF
S923	AMS/BLANK SKIP	OFF
S924	A/B	A
S925	MEMORY	OFF
S926	RESET	OFF
S1001-1	REC PROOF (FWD)	OFF
S1001-2	CASSETTE DET	OFF
S1002	METAL	OFF
S1003-1	REC PROOF (RVS)	OFF
S1003-2	70μ/120μ	OFF (70μ)
S1004	DIRECTION	OFF
S1005	HEAD UP/DOWN	OFF

- ━━ : B+ Line
- ━ ━ ━ : B– Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- ▶ : FWD ◀ : REV ■ : STOP
  ▶▶ : FF ◀◀ : REW ● : REC
- Voltages are taken with a VOM (50 kΩ/V).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ▷ : PB (DECK A)
  ▷» : REC (DECK A)
  ▷ : PB (DECK B)
  ▷» : REC (DECK B)

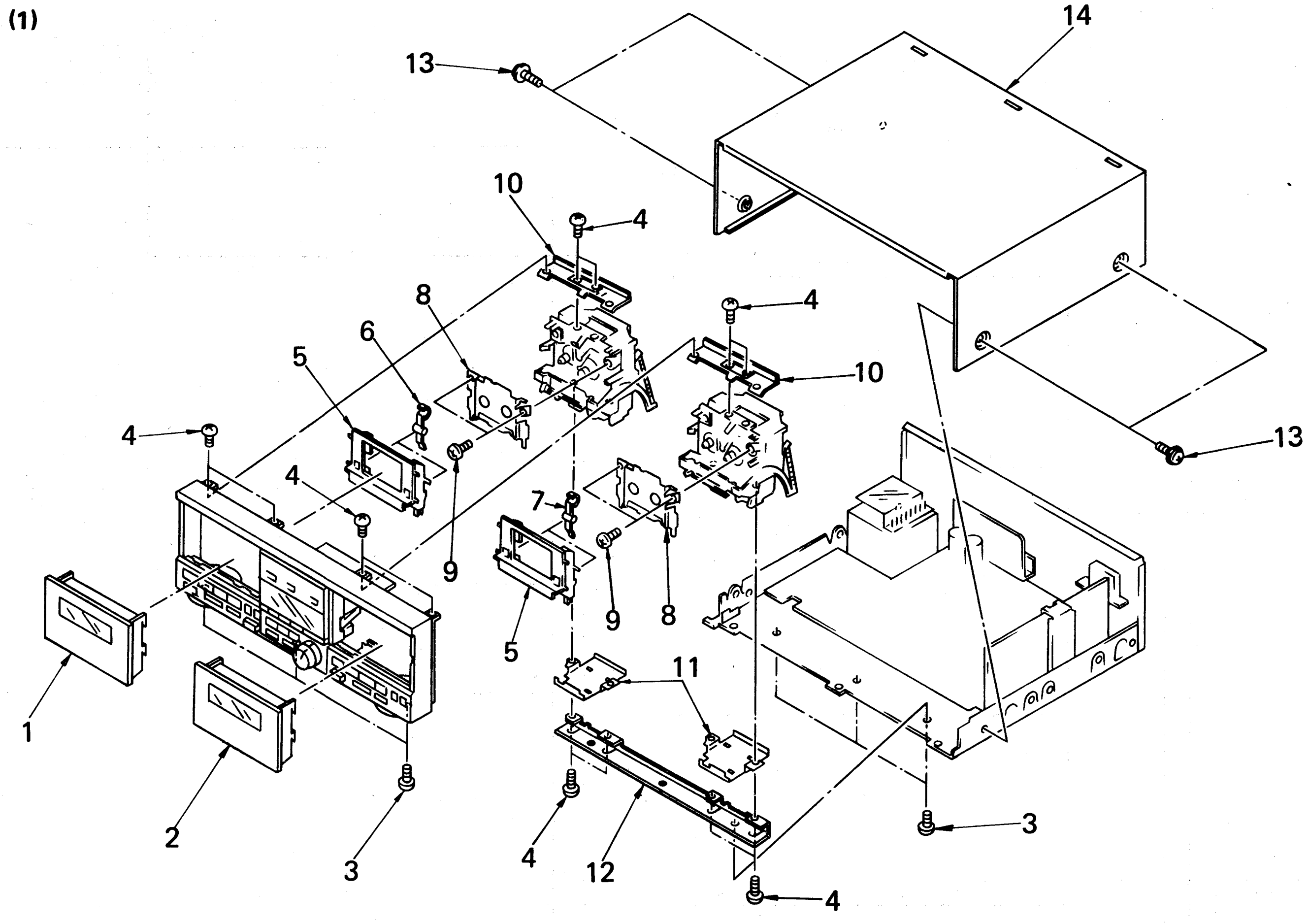
SECTION 4
EXPLODED VIEW AND PARTS LIST

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) ...KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

(1)



No.	Part No.	Description	Remarks
1	A-2169-132-A	LID (A) ASSY, CASSETTE	
2	A-2169-133-A	LID (B) ASSY, CASSETTE	
3	7-685-872-01	SCREW +BVTT 3X8	
4	7-685-871-01	SCREW +BVTT 3X6 (S)	
5	X-3332-448-1	HOLDER ASSY, CASSETTE	
6	3-307-371-00	SPRING (LEFT)	
7	3-307-372-00	SPRING (RIGHT)	
8	*3-332-547-01	PLATE, ORNAMENTAL	
9	7-621-772-01	SCREW +B 2X3	
10	*3-343-606-01	REINFORCEMENT	
11	*3-343-658-01	TC800269HIELD, HEAD	
12	*3-343-614-01	BRACKET (MD)	
13	4-886-821-01	SCREW, M3 CASE	
14	4-919-379-01	CASE	

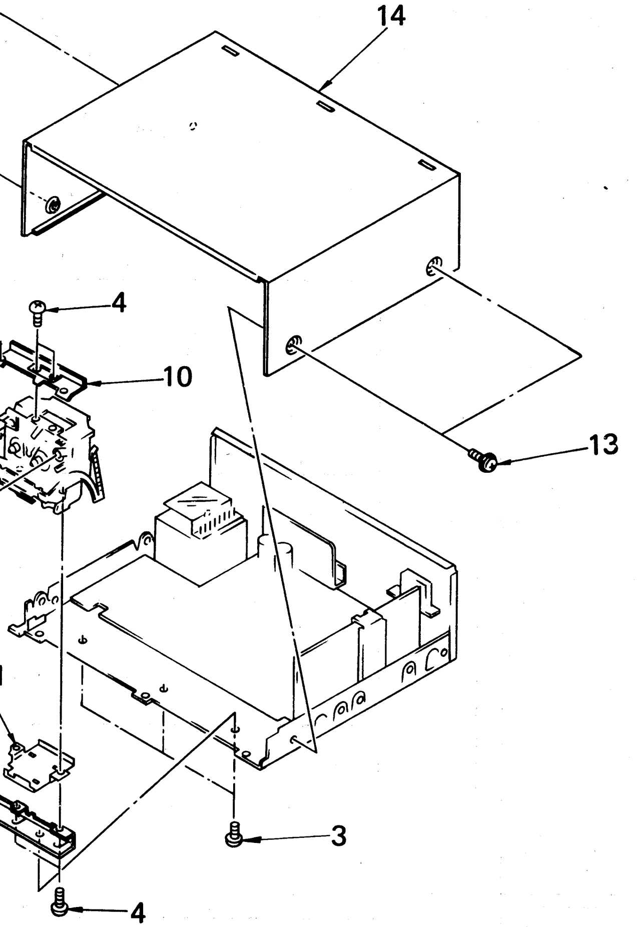
ON 4
D PARTS LIST

tion, parts with part
and -X may be dif-
arts specified in the
n the set.

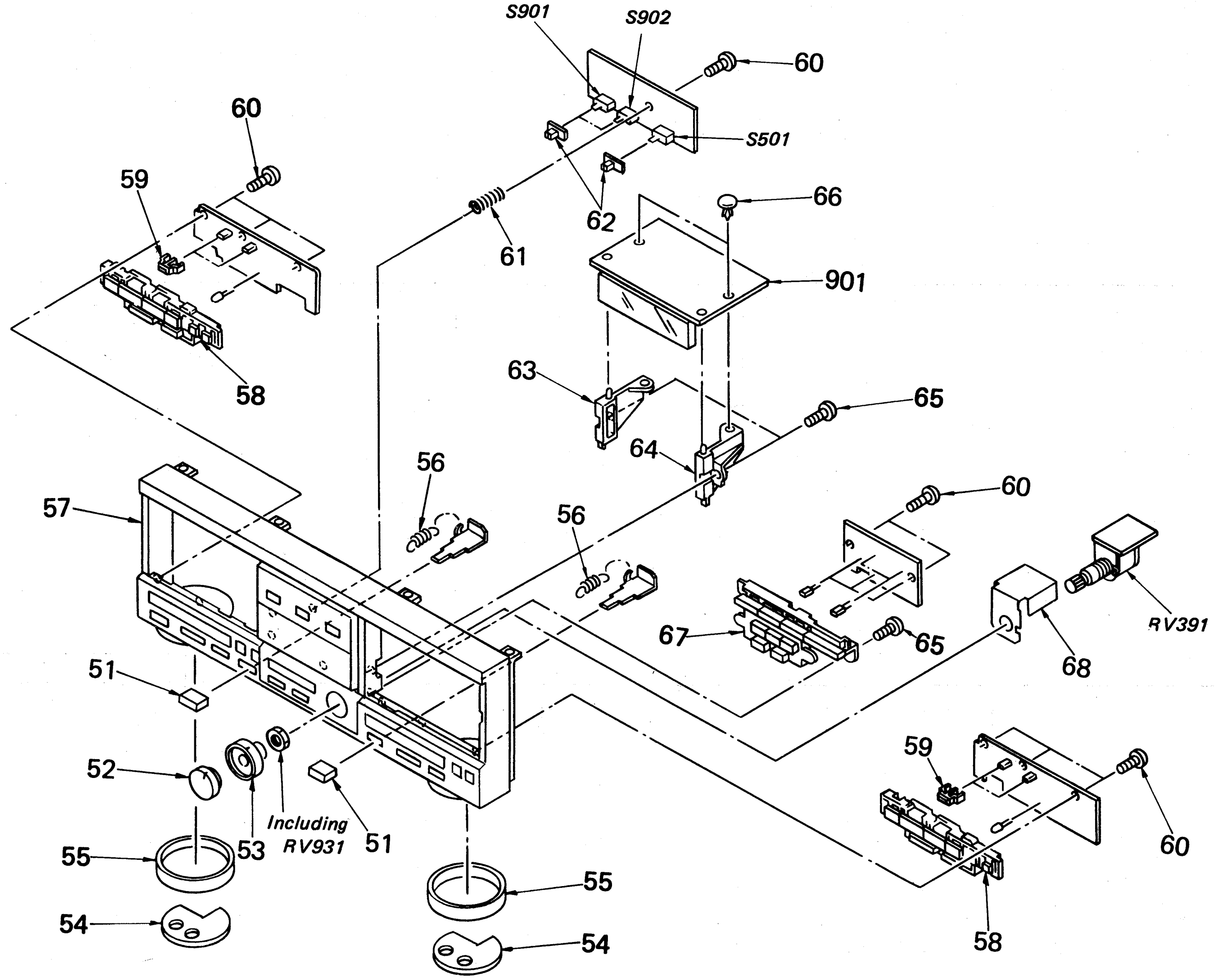
of Appearance Parts

BALANCE (WHITE)
↑
Parts Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.



(2)

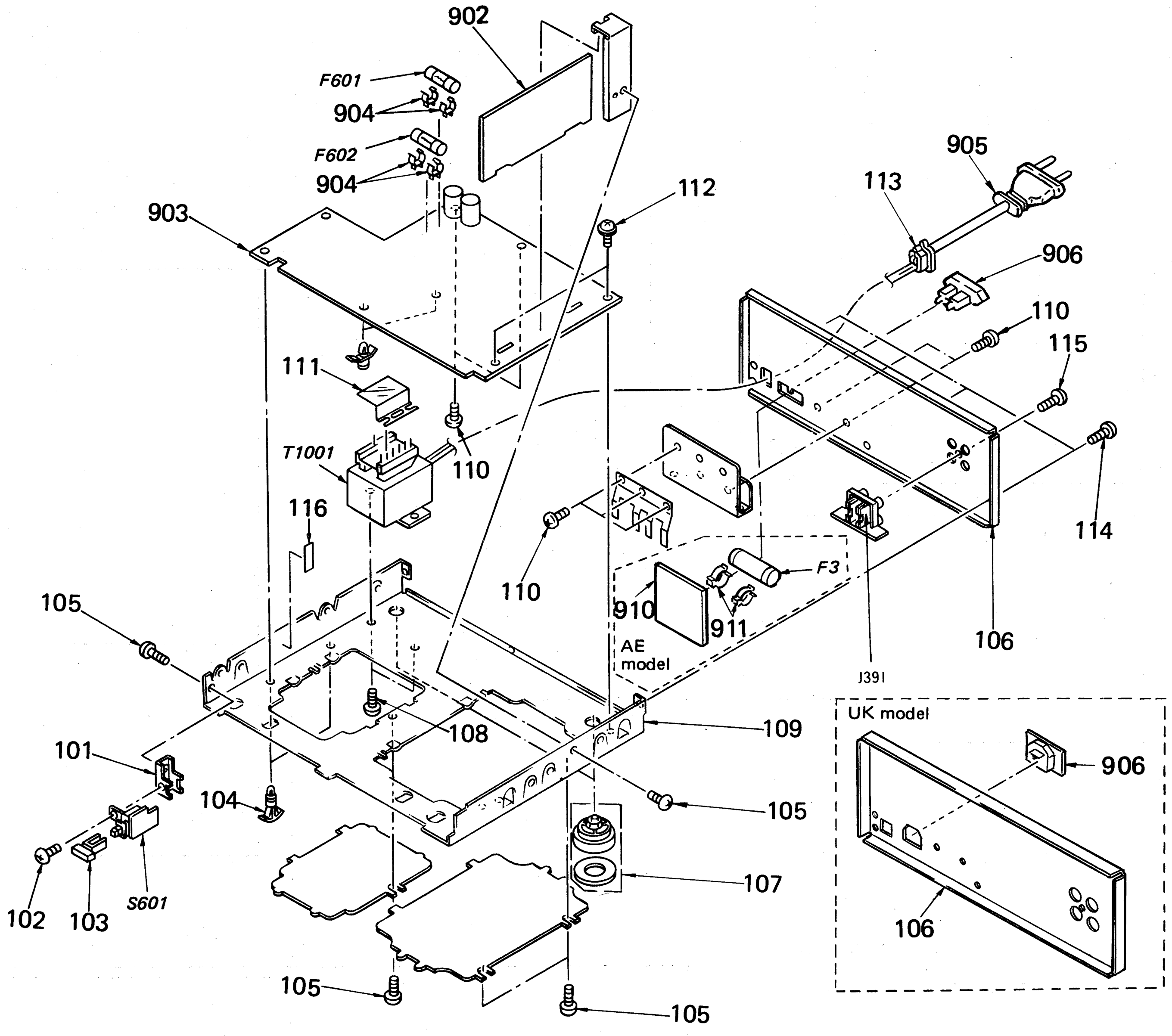


lo.	Part No.	Description	Remarks
8	*3-332-547-01	PLATE, ORNAMENTAL	
9	7-621-772-01	SCREW +B 2X3	
10	*3-343-606-01	REINFORCEMENT	
11	*3-343-658-01	TC800269HIELD, HEAD	
12	*3-343-614-01	BRACKET (MD)	
13	4-886-821-01	SCREW, M3 CASE	
14	4-919-379-01	CASE	

No.	Part No.	Description	Remarks
51	3-323-410-31	BUTTON, EJECT	
52	3-343-633-01	KNOB (R-21)	
53	3-343-634-01	KNOB (L-23)	
54	3-343-605-01	FELT	
55	4-921-918-11	PLATE, ORNAMENTAL	
56	3-662-752-21	SPRING, TENSION	
57	X-3343-608-1	PANEL ASSY, FRONT	
58	X-3343-606-1	BUTTON (A) ASSY	
59	*3-337-108-01	HOLDER, LED	
60	7-685-133-19	SCREW +BTP 2.6X6 TYPE2 N-S	
61	3-554-017-00	SPRING, COMPRESSION	
62	3-343-612-01	KNOB (SLIDE)	

No.	Part No.	Description	Remarks
63	*3-343-608-01	HOLDER (LEFT), FL TUBE	
64	*3-343-607-01	HOLDER (RIGHT), FL TUBE	
65	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
66	4-812-134-00	RIVET NYLON, 3.5	
67	3-343-644-01	BUTTON (B)	
68	*3-343-636-01	PLATE, SHIELD	
901	*1-625-955-11	(AEP)...PC BOARD, PANEL	
RV391	1-237-888-11	RES, VAR, CRBON 20K/20K (REC LEVEL)	
S501	1-571-452-11	SWITCH, SLIDE (DOLBY NR)	
S901	1-571-452-11	SWITCH, SLIDE (TIMER)	
S902	1-571-452-11	SWITCH, SLIDE (DIRECTION MODE)	

(3)

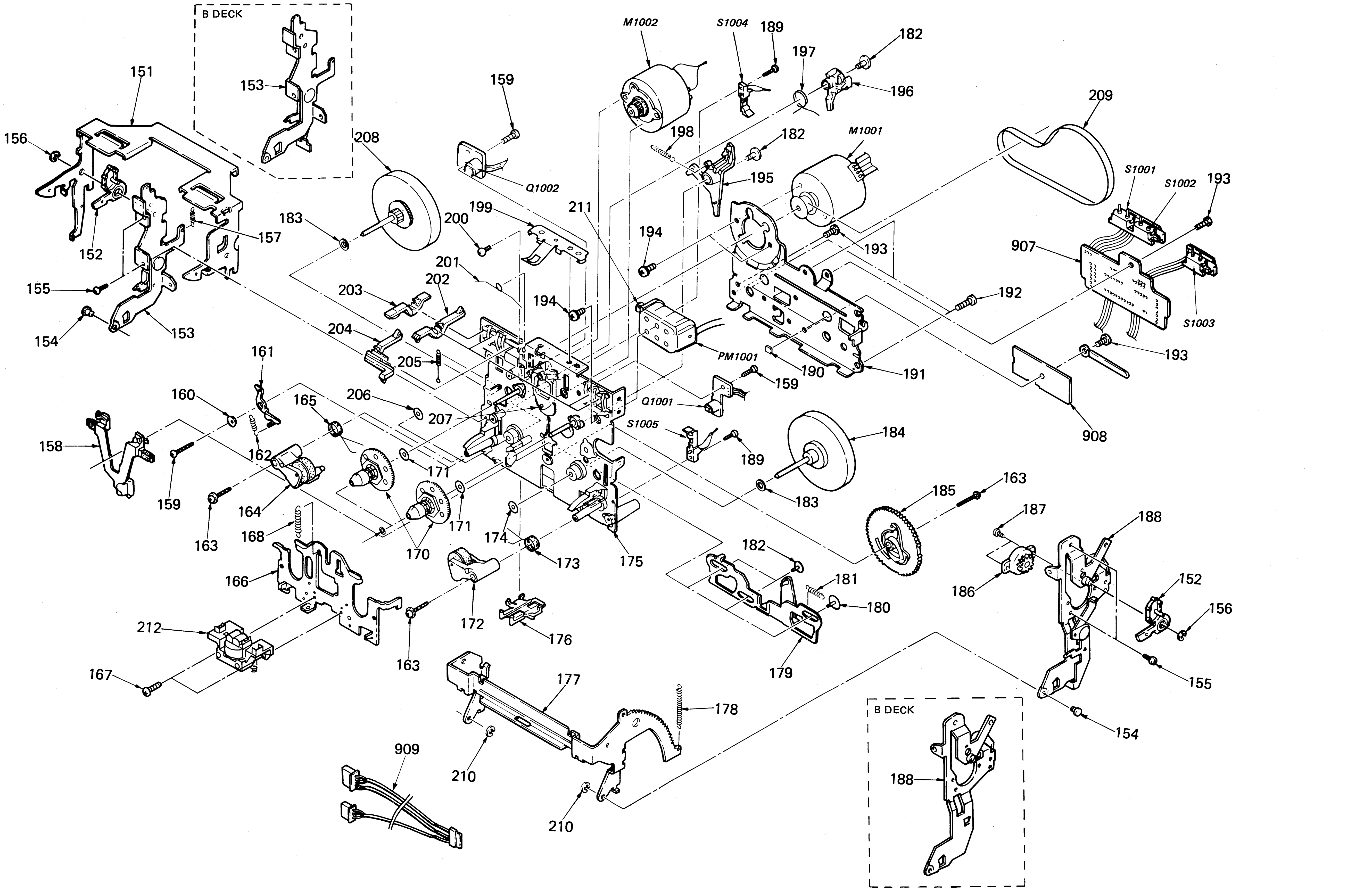


No.	Part No.	Description	Remarks
101	*3-343-632-01	BRACKET (PS)	
102	7-621-773-86	SCREW +BVTT 2.6X4 (S)	
103	3-343-622-01	BUTTON (POWER SW)	
104	3-704-198-21	SUPPORT, PC	
105	7-685-871-01	SCREW +BVTT 3X6 (S)	
106	*3-343-646-12	(UK)....PANEL, BACK	
	*3-343-646-21	(AE1)...PANEL, BACK	
	*3-343-646-31	(AE2)...PANEL, BACK	
107	X-4922-001-1	FOOT ASSY	
108	7-685-872-01	SCREW +BVTT 3X8	
109	*4-921-903-91	CHASSIS	
110	7-682-547-09	SCREW +BVTT 3X6 (S)	
111	*3-337-136-01	COVER, TRANSFORMER SAFETY	
112	4-886-821-11	SCREW, S TIGHT, +PTTWH 3X6	
113	*3-703-244-00	BUSHING (2104), CORD	
114	7-685-872-09	SCREW +BVTT 3X8	
115	7-621-849-00	SCREW, TAPPING	
116	3-831-441-XX	CUSHION (B), CABINET	
902	*A-2095-638-A	MOUNTED PCB, DOLBY	
903	*A-2056-395-A	MOUNTED PCB, MAIN	
904	1-533-162-00	HOLDER, FUSE	
905	⚠1-555-795-00	(AEP)...CORD, POWER, EULO PLUG	
	⚠1-556-562-11	(UK)....CORD, POWER	
906	⚠1-526-751-11	(UK)....OUTLET, AC	
	⚠1-526-794-11	(AEP)...OUTLET, AC	
910	*1-626-652-11	PC BOARD, FUSE	
911	1-533-131-00	(AEP)...HOLDER FUSE	
F3	⚠1-532-078-00	(AEP)...FUSE, TIME-LAG (1A)	
F601	⚠1-532-203-00	FUSE, TIME-LAG (2A)	
F602	⚠1-532-203-00	FUSE, TIME-LAG (2A)	
J391	1-565-258-11	JACK, PIN 4P (LINE IN/LINE OUT)	
S601	1-552-931-00	SWITCH, PUSH (POWER)	
T1001	⚠1-449-214-11	TRANSFORMER, POWER	

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description	Remarks
151	*3-391-180-01	ARM, EJECT	
152	3-391-185-01	LEVER, STOP	
153	X-3391-165-1	(B DECK)...ARM ASSY, EJECT	
	X-3391-167-1	(A DECK)...ARM ASSY, EJECT	
154	3-391-183-01	SHAFT (B), HOLDER FULCRUM	
155	7-621-773-86	SCREW +PTT 2.6X4 (S)	
156	7-624-105-04	STOP RING 2.3, TYPE -E	
157	3-391-181-01	SP, LEVER RETURN	
158	X-3391-108-1	BRAKE ASSY	
159	7-685-106-19	SCREW +P 2X10 TYPE2 SLIT	
160	3-391-120-01	CALLOR	
161	3-391-121-01	ARM, EJECT SAFETY	
162	3-391-122-01	SPRING (A)	
163	7-685-107-19	SCREW +P 2X12 TYPE2 SLIT	
164	X-3391-105-1	PINCH ROLLER ASSY	
165	3-391-116-01	SPRING (LEFT)	
166	*3-392-706-01	BASE, HEAD	
167	7-685-782-01	SCREW +PTT 2X5 (S)	
168	3-391-114-01	SPRING	
169	3-701-436-11	WASHER, 1.6 POLYETHYLENE	
170	X-3391-142-1	REEL ASSY, T	
171	3-701-437-11	WASHER	
172	X-3391-104-1	PINCH ROLLER ASSY	
173	3-391-115-01	SPRING (RIGHT)	
174	3-391-119-01	SEAL, WASHER OIL	
175	X-3391-110-1	CHASSIS	
176	3-391-137-01	HOLDER, REED	
177	*X-3391-164-1	CASSETTE ASSY, SUPPORT	
178	3-391-184-01	SPRING	
179	X-3391-112-1	PLATE, S	
180	3-391-143-01	CAP	
181	3-391-127-01	SPRING	
182	3-391-126-01	CAP	
183	3-701-438-11	WASHER, 2.5	
184	X-3391-133-1	ASSY F/W	
185	3-391-197-01	GEAR (I), CAM	
186	X-3391-151-1	DAMPER ASSY	
187	7-621-255-15	SCREW +PTT 2X3 (S)	
188	*X-3391-162-1	(B DECK)...BKT ASSY, DAMPER	
	*X-3391-166-1	(A DECK)...BKT ASSY, DAMPER	
189	7-685-104-19	SCREW +P 2X6 TYPE2 SLIT	
190	3-391-169-01	SPACER, SQUER	
191	*3-391-130-01	BRACKET (B), F/W	
192	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
193	7-682-546-04	SCREW +PTT 3X5 (S)	
194	7-621-759-25	+PSW, 2.6X4	
195	X-3391-146-1	ARM ASSY, PLAY	
196	*3-392-701-01	ARM, DIRECTION	
197	3-391-199-01	SPRING	
198	3-391-133-01	SPRING	
199	3-391-177-01	SPRING	
200	7-628-254-10	SCREW +PS 2.6X6	
201	3-391-124-01	SPRING	
202	3-392-702-01	LEVER	
203	3-391-196-01	LEVER	
204	3-392-703-01	LEVER	
205	3-391-139-01	SPRING	
206	3-391-117-01	SEAL, WASHER OIL	
207	X-3391-111-1	IDLER ASSY	
208	X-3391-129-1	ASSY F/W	
209	3-391-134-01	BELT, MAIN	
210	7-624-104-04	STOP RING 2.0, TYPE -E	
211	*3-392-707-01	SOLENOID (ARBOR)	
212	*X-3391-168-1	HEAD ASSY, ROTARY	
907	*3-391-166-01	WIRE, JUMPER, 4 ARBOR	
908	*3-391-173-01	PANEL, HEAD RELAY	
909	*3-392-704-01	PRINTED CIRCUIT BOARD, CONNECTO	
M1001	X-3391-155-1	MOTOR ASSY	
M1002	X-3391-156-1	MOTOR ASSY	
PM1001	1-454-440-11	SOLENOID, PLUNGER	
Q1001	1-807-509-11	PHOTO SENSOR	
Q1002	1-807-509-11	PHOTO SENSOR	
S1001	1-570-720-11	SWITCH, PUSH (1 KEY)	
S1002	1-570-723-11	SWITCH, PUSH (1 KEY)	
S1003	1-570-720-11	SWITCH, PUSH (1 KEY)	
S1004	1-570-721-11	SWITCH, LEAF	
S1005	1-570-721-11	SWITCH, LEAF	

(4) MD A DECK: TCM-CMAY B-25
B DECK: TCM-CMAY B-24


B DECK
153
151
156
152
157
155
154
153
208
159
Q1002
183
200
199
201
203
202
204
205
211
M1002
S1004
189
197
182
196
198
182
M1001
195
194
193
194
209
S1001
S1002
193
907
192
193
191
190
PM1001
159
Q1001
S1005
189
S1003
908
184
183
161
160
165
206
207
158
162
171
159
164
163
171
170
168
174
173
175
166
172
176
182
181
180
179
185
163
187
188
186
152
156
155
154
212
167
163
177
178
909
210
210
B DECK
188

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description			
901	*1-625-955-11	(AEP)...PC BOARD, PANEL			
902	*A-2095-638-A	MOUNTED PCB, DOLBY			
903	*A-2056-395-A	MOUNTED PCB, MAIN			
904	1-533-162-00	HOLDER, FUSE			
905	⚠1-555-795-00	(AEP)...CORD, POWER, EULO PLUG			
	⚠1-556-562-11	(UK)....CORD, POWER			
906	⚠1-526-751-11	(UK)....OUTLET, AC			
	⚠1-526-794-11	(AEP)...OUTLET, AC			
907	*3-391-166-01	WIRE, JUMPER, 4 ARBOR			
908	*3-391-173-01	PANEL, HEAD RELAY			
909	*3-392-704-01	PRINTED CIRCUIT BOARD, CONNECTO			
910	*1-626-652-11	PC BOARD, FUSE			
911	1-533-131-00	(AEP)...HOLDER FUSE			
C101	1-162-289-31	CERAMIC	390PF	10%	50V
C103	1-130-973-00	FILM	0.022MF	5%	100V
C104	1-124-657-00	ELECT	10MF	20%	50V
C105	1-162-293-31	CERAMIC	820PF	10%	50V
C106	1-162-290-31	CERAMIC	470PF	10%	50V
C111	1-162-289-31	CERAMIC	390PF	10%	50V
C112	1-130-973-00	FILM	0.022MF	5%	100V
C113	1-124-657-00	ELECT	10MF	20%	50V
C114	1-162-293-31	CERAMIC	820PF	10%	50V
C115	1-162-290-31	CERAMIC	470PF	10%	50V
C121	1-124-657-00	ELECT	10MF	20%	50V
C122	1-123-875-11	ELECT	10MF	20%	50V
C123	1-136-173-00	FILM	0.47MF	5%	50V
C124	1-162-284-31	CERAMIC	150PF	10%	50V
C125	1-136-273-91	FILM	75PF	5%	630V
C126	1-136-440-11	FILM	39PF	5%	630V
C131	1-124-657-00	ELECT	10MF	20%	50V
C132	1-123-875-11	ELECT	10MF	20%	50V
C133	1-136-173-00	FILM	0.47MF	5%	50V
C134	1-162-284-31	CERAMIC	150PF	10%	50V
C135	1-136-273-91	FILM	75PF	5%	630V
C136	1-136-440-11	FILM	39PF	5%	630V
C141	1-124-927-11	ELECT	4.7MF	20%	50V
C151	1-123-875-11	ELECT	10MF	20%	50V
C152	1-123-875-11	ELECT	10MF	20%	50V
C153	1-162-286-31	CERAMIC	220PF	10%	50V
C154	1-123-875-11	ELECT	10MF	20%	50V
C155	1-123-875-11	ELECT	10MF	20%	50V
C156	1-136-153-00	FILM	0.01MF	5%	50V
C157	1-130-481-00	MYLAR	0.0068MF	5%	50V
C158	1-136-161-00	FILM	0.047MF	5%	50V
C159	1-136-163-00	FILM	0.068MF	5%	50V
C160	1-136-169-00	FILM	0.22MF	5%	50V

Ref.No.	Part No.	Description			
C161	1-136-155-00	FILM	0.015MF	5%	50V
C162	1-136-167-00	FILM	0.15MF	5%	50V
C163	1-136-173-00	FILM	0.47MF	5%	50V
C164	1-130-479-00	MYLAR	0.0047MF	5%	50V
C165	1-123-875-11	ELECT	10MF	20%	50V
C166	1-124-657-00	ELECT	10MF	20%	50V
C201	1-162-289-31	CERAMIC	390PF	10%	50V
C203	1-130-973-00	FILM	0.022MF	5%	100V
C204	1-124-657-00	ELECT	10MF	20%	50V
C205	1-162-293-31	CERAMIC	820PF	10%	50V
C206	1-162-290-31	CERAMIC	470PF	10%	50V
C211	1-162-289-31	CERAMIC	390PF	10%	50V
C212	1-130-973-00	FILM	0.022MF	5%	100V
C213	1-124-657-00	ELECT	10MF	20%	50V
C214	1-162-293-31	CERAMIC	820PF	10%	50V
C215	1-162-290-31	CERAMIC	470PF	10%	50V
C221	1-124-657-00	ELECT	10MF	20%	50V
C222	1-123-875-11	ELECT	10MF	20%	50V
C223	1-136-173-00	FILM	0.47MF	5%	50V
C224	1-162-284-31	CERAMIC	150PF	10%	50V
C225	1-136-273-91	FILM	75PF	5%	630V
C226	1-136-440-11	FILM	39PF	5%	630V
C231	1-124-657-00	ELECT	10MF	20%	50V
C232	1-123-875-11	ELECT	10MF	20%	50V
C233	1-136-173-00	FILM	0.47MF	5%	50V
C234	1-162-284-31	CERAMIC	150PF	10%	50V
C235	1-136-273-91	FILM	75PF	5%	630V
C236	1-136-440-11	FILM	39PF	5%	630V
C241	1-124-927-11	ELECT	4.7MF	20%	50V
C251	1-123-875-11	ELECT	10MF	20%	50V
C252	1-123-875-11	ELECT	10MF	20%	50V
C253	1-162-286-31	CERAMIC	220PF	10%	50V
C254	1-123-875-11	ELECT	10MF	20%	50V
C255	1-123-875-11	ELECT	10MF	20%	50V
C256	1-136-153-00	FILM	0.01MF	5%	50V
C257	1-130-481-00	MYLAR	0.0068MF	5%	50V
C258	1-136-161-00	FILM	0.047MF	5%	50V
C259	1-136-163-00	FILM	0.068MF	5%	50V
C260	1-136-169-00	FILM	0.22MF	5%	50V
C261	1-136-155-00	FILM	0.015MF	5%	50V
C262	1-136-167-00	FILM	0.15MF	5%	50V
C263	1-136-173-00	FILM	0.47MF	5%	50V
C264	1-130-479-00	MYLAR	0.0047MF	5%	50V
C265	1-123-875-11	ELECT	10MF	20%	50V
C266	1-124-657-00	ELECT	10MF	20%	50V

Ref.No.	Part No.	Description			
C301	1-124-444-00	ELECT	220MF	20%	10V
C302	1-124-444-00	ELECT	220MF	20%	10V
C303	1-124-444-00	ELECT	220MF	20%	10V
C304	1-124-444-00	ELECT	220MF	20%	10V
C305	1-124-444-00	ELECT	220MF	20%	10V
C306	1-124-444-00	ELECT	220MF	20%	10V
C307	1-124-444-00	ELECT	220MF	20%	10V
C308	1-124-444-00	ELECT	220MF	20%	10V
C309	1-124-908-11	ELECT	22MF	20%	25V
C310	1-123-875-11	ELECT	10MF	20%	50V
C311	1-123-875-11	ELECT	10MF	20%	50V
C312	1-124-902-00	ELECT	0.47MF	20%	50V
C313	1-124-902-00	ELECT	0.47MF	20%	50V
C314	1-124-499-11	ELECT	1MF	20%	50V
C315	1-123-875-11	ELECT	10MF	20%	50V
C316	1-136-434-11	FILM	120PF	5%	630V
C317	1-136-434-11	FILM	120PF	5%	630V
C318	1-136-434-11	FILM	120PF	5%	630V
C319	1-136-434-11	FILM	120PF	5%	630V
C320	1-123-875-11	ELECT	10MF	20%	50V
C321	1-123-875-11	ELECT	10MF	20%	50V
C322	1-136-601-91	FILM	0.01MF	5%	630V
C323	1-136-601-91	FILM	0.01MF	5%	630V
C394	1-161-494-00	CERAMIC	0.022MF		25V
C501	1-124-444-00	ELECT	220MF	20%	10V
C502	1-124-444-00	ELECT	220MF	20%	10V
C503	1-124-927-11	ELECT	4.7MF	20%	50V
C601	1-124-360-00	ELECT	1000MF	20%	16V
C602	1-124-120-11	ELECT	220MF	20%	16V
C603	1-126-101-11	ELECT	100MF	20%	16V
C604	1-124-927-11	ELECT	4.7MF	20%	50V
C605	1-124-360-00	ELECT	1000MF	20%	16V
C606	1-124-120-11	ELECT	220MF	20%	16V
C607	1-124-443-00	ELECT	100MF	20%	10V
C608	1-124-472-11	ELECT	470MF	20%	10V
C609	1-124-472-11	ELECT	470MF	20%	10V
C610	1-124-898-11	ELECT	4700MF	20%	16V
C611	1-124-927-11	ELECT	4.7MF	20%	50V
C612	1-124-898-11	ELECT	4700MF	20%	16V
C614	1-124-444-00	ELECT	220MF	20%	10V
C615	1-124-444-00	ELECT	220MF	20%	10V
C616	1-124-912-11	ELECT	330MF	20%	50V
C617	1-124-122-11	ELECT	100MF	20%	50V
C701	1-124-446-11	ELECT	47MF	20%	10V
C702	1-124-446-11	ELECT	47MF	20%	10V
C704	1-124-446-11	ELECT	47MF	20%	10V
C705	1-124-446-11	ELECT	47MF	20%	10V
C708	1-123-875-11	ELECT	10MF	20%	50V
C716	1-124-443-00	ELECT	100MF	20%	6.3V
C717	1-161-494-00	CERAMIC	0.022MF		25V
C801	1-124-443-00	ELECT	100MF	20%	6.3V
C802	1-124-925-11	ELECT	2.2MF	20%	50V
C803	1-124-925-11	ELECT	2.2MF	20%	50V
C804	1-124-925-11	ELECT	2.2MF	20%	50V
C805	1-161-494-00	CERAMIC	0.022MF		25V
C806	1-162-282-31	CERAMIC	100PF	10%	50V
C807	1-161-379-00	CERAMIC	0.01MF	30%	16V

Ref.No.	Part No.	Description
CN301	*1-564-509-11	PLUG, CONNECTOR 6P
CN302	*1-564-506-11	PLUG, CONNECTOR 3P
CN303	*1-564-505-21	PLUG, CONNECTOR 2P
CN304	*1-564-509-11	PLUG, CONNECTOR 6P
CN305	*1-564-506-11	PLUG, CONNECTOR 3P
CN306	*1-564-505-21	PLUG, CONNECTOR 2P
CN307	*1-560-338-00	PIN, CONNECTOR 7P
CN308	*1-506-534-11	PIN, CONNECTOR 11P
CN309	*1-564-507-11	PLUG, CONNECTOR 4P
CN310	*1-564-507-11	PLUG, CONNECTOR 4P
CN311	*1-564-505-11	PLUG, CONNECTOR 2P
CN312	*1-564-505-11	PLUG, CONNECTOR 2P
CN391	*1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P
CN501	*1-563-658-11	CONNECTOR 7P
CN502	*1-563-662-11	CONNECTOR 11P
CN503	*1-564-337-51	PIN, CONNECTOR 3P
CN504	*1-564-337-61	PIN, CONNECTOR 3P
CN505	*1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P
CN506	*1-564-705-21	PIN, CONNECTOR (SMALL TYPE) 3P
CN602	*1-564-339-51	PIN, CONNECTOR 5P
CN603	*1-564-666-11	PIN, CONNECTOR 10P
CN703	*1-564-505-21	PLUG, CONNECTOR 2P
CN705	*1-564-505-21	PLUG, CONNECTOR 2P
CN706	*1-564-342-61	PIN, CONNECTOR 8P
CN708	*1-564-342-11	PIN, CONNECTOR 8P
CN709	*1-564-337-51	PIN, CONNECTOR 3P
CN710	*1-564-342-81	PIN, CONNECTOR 8P
CN711	*1-506-503-11	PIN, CONNECTOR 9P
CN712	*1-564-342-51	PIN, CONNECTOR 8P
CN801	*1-564-336-51	PIN, CONNECTOR 2P
CT301	1-141-225-00	CAP, TUNING, TRIMAR
CT302	1-141-225-00	CAP, TUNING, TRIMAR
D141	8-719-000-26	DIODE US1060M
D241	8-719-000-26	DIODE US1060M
D301	8-719-000-26	DIODE US1060M
D302	8-719-000-26	DIODE US1060M
D303	8-719-000-26	DIODE US1060M
D304	8-719-000-26	DIODE US1060M
D305	8-719-000-26	DIODE US1060M
D306	8-719-000-26	DIODE US1060M
D307	8-719-000-26	DIODE US1060M
D308	8-719-000-26	DIODE US1060M
D309	8-719-000-26	DIODE US1060M
D310	8-719-000-26	DIODE US1060M
D311	8-719-000-26	DIODE US1060M
D312	8-719-000-26	DIODE US1060M
D313	8-719-000-26	DIODE US1060M
D314	8-719-000-26	DIODE US1060M
D315	8-719-000-26	DIODE US1060M
D501	8-719-000-26	DIODE US1060M
D601	8-719-200-77	DIODE 10E2N
D602	8-719-200-77	DIODE 10E2N
D603	8-719-200-77	DIODE 10E2N
D604	8-719-200-77	DIODE 10E2N
D605	8-719-200-77	DIODE 10E2N
D606	8-719-200-77	DIODE 10E2N

Ref.No.	Part No.	Description
D607	8-719-200-77	DIODE 10E2N
D608	8-719-200-77	DIODE 10E2N
D609	8-719-200-77	DIODE 10E2N
D610	8-719-200-77	DIODE 10E2N
D611	8-719-200-77	DIODE 10E2N
D612	8-719-000-26	DIODE US1060M
D613	8-719-933-33	DIODE HZS6A1L
D614	8-719-000-26	DIODE US1060M
D615	8-719-000-26	DIODE US1060M
D616	8-719-933-47	DIODE HZS7B2L
D617	8-719-200-77	DIODE 10E2N
D618	8-719-200-77	DIODE 10E2N
D619	8-719-933-49	DIODE HZS7C1L
D701	8-719-000-26	DIODE US1060M
D702	8-719-000-26	DIODE US1060M
D704	8-719-000-26	DIODE US1060M
D705	8-719-200-77	DIODE 10E2N
D706	8-719-000-26	DIODE US1060M
D707	8-719-000-26	DIODE US1060M
D709	8-719-000-26	DIODE US1060M
D710	8-719-200-77	DIODE 10E2N
D711	8-719-000-26	DIODE US1060M
D716	8-719-000-26	DIODE US1060M
D717	8-719-000-26	DIODE US1060M
D718	8-719-933-33	DIODE HZS6A1L
D719	8-719-000-26	DIODE US1060M
D801	8-719-000-26	DIODE US1060M
D802	8-719-000-26	DIODE US1060M
D803	8-719-000-26	DIODE US1060M
D901	8-719-939-83	DIODE GL9ND24 (A FWD)
D902	8-719-939-83	DIODE GL9ND24 (A REV)
D903	8-719-939-83	DIODE GL9ND24 (B FWD)
D904	8-719-939-83	DIODE GL9ND24 (B REV)
D905	8-719-812-42	DIODE TLY124 (B PAUSE)
D906	8-719-304-90	DIODE SEL4225R (A+B REC)
D907	8-719-304-90	DIODE SEL4225R (HIGH SPEED)
D908	8-719-304-90	DIODE SEL4225R (NORMAL SPEED)
D909	8-719-305-00	DIODE SEL4925D (AUTO PAUSE)
D910	8-719-304-90	DIODE SEL4225R (AMS/BLANK SKIP)
D911	8-719-812-42	DIODE TLY124 (A PAUSE)
F3	⚠1-532-078-00	(AEP)...FUSE, TIME-LAG (1A)
F601	⚠1-532-203-00	FUSE, TIME-LAG (2A)
F602	⚠1-532-203-00	FUSE, TIME-LAG (2A)
FLT801	1-519-445-11	INDICATOR TUBE, FLUORESCENT
IC301	8-759-111-44	IC UPC4570C-1
IC302	8-759-601-43	IC M4066BP
IC303	8-759-111-44	IC UPC4570C-1
IC304	8-759-601-43	IC M4066BP
IC305	8-752-032-60	IC CXA1198P
IC306	8-759-601-43	IC M4066BP
IC307	8-752-032-60	IC CXA1198P
IC308	8-759-601-10	IC M4011BP
IC309	8-759-240-51	IC TC4051BP
IC341	8-759-600-02	IC M5218L
IC501	8-759-601-43	IC M4066BP
IC502	8-759-601-02	IC M5218P
IC503	8-752-018-70	IC CX20187

Ref.No.	Part No.	Description
IC701	8-759-939-76	IC MB88515B-233K
IC702	8-759-240-52	IC TC4052BP
IC703	8-759-240-52	IC TC4052BP
IC705	8-759-601-43	IC M4066BP
IC801	8-759-603-79	IC M50940-400SP
IC802	8-759-600-02	IC M5218L
J391	1-565-258-11	JACK, PIN 4P (LINE IN/LINE OUT)
L101	1-410-780-11	INDUCTOR 27MMH
L102	1-410-780-11	INDUCTOR 27MMH
L201	1-410-780-11	INDUCTOR 27MMH
L202	1-410-780-11	INDUCTOR 27MMH
LPF151	1-231-388-00	FILTER, LOW PASS
LPF251	1-231-388-00	FILTER, LOW PASS
M1001	X-3391-155-1	MOTOR ASSY
M1002	X-3391-156-1	MOTOR ASSY
PM1001	1-454-440-11	SOLENOID, PLUNGER
Q151	8-729-100-13	TRANSISTOR 2SC2001
Q251	8-729-100-13	TRANSISTOR 2SC2001
Q301	8-729-107-77	TRANSISTOR 2SC3623-L
Q302	8-729-107-77	TRANSISTOR 2SC3623-L
Q303	8-729-107-77	TRANSISTOR 2SC3623-L
Q304	8-729-900-61	TRANSISTOR DTA114ES
Q305	8-729-900-61	TRANSISTOR DTA114ES
Q306	8-729-900-61	TRANSISTOR DTA114ES
Q307	8-729-900-61	TRANSISTOR DTA114ES
Q308	8-729-900-61	TRANSISTOR DTA114ES
Q309	8-729-900-61	TRANSISTOR DTA114ES
Q310	8-729-900-65	TRANSISTOR DTA144ES
Q311	8-729-900-89	TRANSISTOR DTC144ES
Q312	8-729-107-77	TRANSISTOR 2SC3623-L
Q313	8-729-900-65	TRANSISTOR DTA144ES
Q314	8-729-900-89	TRANSISTOR DTC144ES
Q315	8-729-900-65	TRANSISTOR DTA144ES
Q316	8-729-900-89	TRANSISTOR DTC144ES
Q317	8-729-177-43	TRANSISTOR 2SD774
Q318	8-729-900-61	TRANSISTOR DTA114ES
Q319	8-729-900-89	TRANSISTOR DTC144ES
Q320	8-729-900-89	TRANSISTOR DTC144ES
Q321	8-729-900-61	TRANSISTOR DTA114ES
Q322	8-729-177-43	TRANSISTOR 2SD774
Q323	8-729-900-80	TRANSISTOR DTC114ES
Q324	8-729-802-34	TRANSISTOR 2SD1388
Q325	8-729-802-34	TRANSISTOR 2SD1388
Q326	8-729-802-34	TRANSISTOR 2SD1388
Q327	8-729-802-34	TRANSISTOR 2SD1388
Q328	8-729-100-13	TRANSISTOR 2SC2001
Q329	8-729-100-13	TRANSISTOR 2SC2001
Q330	8-729-100-13	TRANSISTOR 2SC2001
Q331	8-729-100-13	TRANSISTOR 2SC2001
Q332	8-729-900-80	TRANSISTOR DTC114ES
Q333	8-729-900-80	TRANSISTOR DTC114ES
Q501	8-729-900-89	TRANSISTOR DTC144ES
Q502	8-729-900-89	TRANSISTOR DTC144ES
Q601	8-729-107-25	TRANSISTOR 2SD1585-L
Q602	8-729-600-27	TRANSISTOR 2SC634SP
Q603	8-729-600-27	TRANSISTOR 2SC634SP
Q604	8-729-900-80	TRANSISTOR DTC114ES
Q605	8-729-117-54	TRANSISTOR 2SA1175

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description			
Q606	8-729-117-54	TRANSISTOR 2SA1175			
Q607	8-729-111-67	TRANSISTOR 2SB1094-L			
Q608	8-729-209-15	TRANSISTOR 2SD2012			
Q609	8-729-600-27	TRANSISTOR 2SC634SP			
Q610	8-729-117-54	TRANSISTOR 2SA1175			
Q611	8-729-117-54	TRANSISTOR 2SA1175			
Q612	8-729-209-60	TRANSISTOR 2SB1375			
Q613	8-729-117-54	TRANSISTOR 2SA1175			
Q614	8-729-364-72	TRANSISTOR 2SB647			
Q701	8-729-801-93	TRANSISTOR 2SD1387			
Q702	8-729-801-83	TRANSISTOR 2SB1013			
Q703	8-729-801-83	TRANSISTOR 2SB1013			
Q704	8-729-801-93	TRANSISTOR 2SD1387			
Q705	8-729-801-93	TRANSISTOR 2SD1387			
Q706	8-729-801-93	TRANSISTOR 2SD1387			
Q707	8-729-900-80	TRANSISTOR DTC114ES			
Q708	8-729-900-65	TRANSISTOR DTA144ES			
Q709	8-729-801-83	TRANSISTOR 2SB1013			
Q710	8-729-811-24	TRANSISTOR 2SD1012			
Q711	8-729-801-93	TRANSISTOR 2SD1387			
Q712	8-729-801-83	TRANSISTOR 2SB1013			
Q713	8-729-801-83	TRANSISTOR 2SB1013			
Q714	8-729-801-93	TRANSISTOR 2SD1387			
Q715	8-729-801-93	TRANSISTOR 2SD1387			
Q716	8-729-801-93	TRANSISTOR 2SD1387			
Q717	8-729-900-80	TRANSISTOR DTC114ES			
Q718	8-729-900-65	TRANSISTOR DTA144ES			
Q719	8-729-801-83	TRANSISTOR 2SB1013			
Q720	8-729-811-24	TRANSISTOR 2SD1012			
Q721	8-729-900-65	TRANSISTOR DTA144ES			
Q722	8-729-900-85	TRANSISTOR DTC144ES			
Q723	8-729-900-80	TRANSISTOR DTC114ES			
Q724	8-729-600-27	TRANSISTOR 2SC634SP			
Q725	8-729-600-27	TRANSISTOR 2SC634SP			
Q726	8-729-900-74	TRANSISTOR DTC143TS			
Q727	8-729-900-74	TRANSISTOR DTC143TS			
Q728	8-729-900-74	TRANSISTOR DTC143TS			
Q729	8-729-900-61	TRANSISTOR DTA114ES			
Q730	8-729-900-61	TRANSISTOR DTA114ES			
Q731	8-729-900-61	TRANSISTOR DTA114ES			
Q732	8-729-900-61	TRANSISTOR DTA114ES			
Q733	8-729-900-61	TRANSISTOR DTA114ES			
Q734	8-729-900-61	TRANSISTOR DTA114ES			
Q742	8-729-900-65	TRANSISTOR DTA144ES			
Q743	8-729-900-80	TRANSISTOR DTC114ES			
Q744	8-729-600-27	TRANSISTOR 2SC634SP			
Q745	8-729-900-61	TRANSISTOR DTA114ES			
Q801	8-729-117-54	TRANSISTOR 2SA1175			
Q802	8-729-900-80	TRANSISTOR DTC114ES			
Q1001	1-807-509-11	PHOTO SENSOR			
Q1002	1-807-509-11	PHOTO SENSOR			
R101	1-259-484-11	CARBON	220K	5%	1/6W
R105	1-259-402-11	CARBON	82	5%	1/6W
R106	1-259-479-91	CARBON	130K	5%	1/6W
R107	1-259-446-11	CARBON	5.6K	5%	1/6W
R108	1-259-449-11	CARBON	7.5K	5%	1/6W
R109	1-249-425-11	CARBON	4.7K	5%	1/4W
R111	1-259-484-11	CARBON	220K	5%	1/6W
R112	1-259-402-11	CARBON	82	5%	1/6W
R113	1-259-479-91	CARBON	130K	5%	1/6W
R114	1-259-446-11	CARBON	5.6K	5%	1/6W
R115	1-259-449-11	CARBON	7.5K	5%	1/6W
R116	1-249-425-11	CARBON	4.7K	5%	1/4W
R121	1-249-430-11	CARBON	12K	5%	1/4W
R122	1-249-425-11	CARBON	4.7K	5%	1/4W
R123	1-249-441-11	CARBON	100K	5%	1/4W
R124	1-249-429-11	CARBON	10K	5%	1/4W
R125	1-249-426-11	CARBON	5.6K	5%	1/4W
R131	1-249-430-11	CARBON	12K	5%	1/4W
R132	1-249-425-11	CARBON	4.7K	5%	1/4W
R133	1-249-441-11	CARBON	100K	5%	1/4W
R134	1-249-429-11	CARBON	10K	5%	1/4W
R135	1-249-426-11	CARBON	5.6K	5%	1/4W
R141	1-249-437-11	CARBON	47K	5%	1/4W
R142	1-249-434-11	CARBON	27K	5%	1/4W
R143	1-249-429-11	CARBON	10K	5%	1/4W
R144	1-249-397-11	CARBON	22	5%	1/4W
R151	1-249-433-11	CARBON	22K	5%	1/4W
R152	1-249-421-11	CARBON	2.2K	5%	1/4W
R153	1-249-421-11	CARBON	2.2K	5%	1/4W
R154	1-249-441-11	CARBON	100K	5%	1/4W
R155	1-249-419-11	CARBON	1.5K	5%	1/4W
R156	1-247-872-11	CARBON	51K	5%	1/4W
R157	1-249-415-11	CARBON	680	5%	1/4W
R158	1-249-427-11	CARBON	6.8K	5%	1/4W
R159	1-247-822-11	CARBON	430	5%	1/4W
R160	1-247-840-00	CARBON	2.4K	5%	1/4W
R161	1-247-846-11	CARBON	4.3K	5%	1/4W
R162	1-249-428-11	CARBON	8.2K	5%	1/4W
R163	1-249-423-11	CARBON	3.3K	5%	1/4W
R195	1-259-428-11	CARBON	1K	5%	1/6W
R196	1-259-464-11	CARBON	33K	5%	1/6W
R201	1-259-484-11	CARBON	220K	5%	1/6W
R205	1-259-402-11	CARBON	82	5%	1/6W
R206	1-259-479-91	CARBON	130K	5%	1/6W
R207	1-259-446-11	CARBON	5.6K	5%	1/6W
R208	1-259-449-11	CARBON	7.5K	5%	1/6W
R209	1-249-425-11	CARBON	4.7K	5%	1/4W
R211	1-259-484-11	CARBON	220K	5%	1/6W
R212	1-259-402-11	CARBON	82	5%	1/6W
R213	1-259-479-91	CARBON	130K	5%	1/6W
R214	1-259-446-11	CARBON	5.6K	5%	1/6W
R215	1-259-449-11	CARBON	7.5K	5%	1/6W
R216	1-249-425-11	CARBON	4.7K	5%	1/4W
R221	1-249-430-11	CARBON	12K	5%	1/4W
R222	1-249-425-11	CARBON	4.7K	5%	1/4W
R223	1-249-441-11	CARBON	100K	5%	1/4W
R224	1-249-429-11	CARBON	10K	5%	1/4W
R225	1-249-426-11	CARBON	5.6K	5%	1/4W
R231	1-249-430-11	CARBON	12K	5%	1/4W
R232	1-249-425-11	CARBON	4.7K	5%	1/4W
R233	1-249-441-11	CARBON	100K	5%	1/4W
R234	1-249-429-11	CARBON	10K	5%	1/4W
R235	1-249-426-11	CARBON	5.6K	5%	1/4W

Ref.No.	Part No.	Description			
R241	1-249-437-11	CARBON	47K	5%	1/4W
R242	1-249-434-11	CARBON	27K	5%	1/4W
R243	1-249-429-11	CARBON	10K	5%	1/4W
R244	1-249-397-11	CARBON	22	5%	1/4W
R251	1-249-433-11	CARBON	22K	5%	1/4W
R252	1-249-421-11	CARBON	2.2K	5%	1/4W
R253	1-249-421-11	CARBON	2.2K	5%	1/4W
R254	1-249-441-11	CARBON	100K	5%	1/4W
R255	1-249-419-11	CARBON	1.5K	5%	1/4W
R256	1-247-872-11	CARBON	51K	5%	1/4W
R257	1-249-415-11	CARBON	680	5%	1/4W
R258	1-249-427-11	CARBON	6.8K	5%	1/4W
R259	1-247-822-11	CARBON	430	5%	1/4W
R260	1-247-840-00	CARBON	2.4K	5%	1/4W
R261	1-247-846-11	CARBON	4.3K	5%	1/4W
R262	1-249-428-11	CARBON	8.2K	5%	1/4W
R263	1-249-423-11	CARBON	3.3K	5%	1/4W
R295	1-259-428-11	CARBON	1K	5%	1/6W
R296	1-259-464-11	CARBON	33K	5%	1/6W
R301	1-249-409-11	CARBON	220	5%	1/4W
R302	1-249-409-11	CARBON	220	5%	1/4W
R303	1-249-437-11	CARBON	47K	5%	1/4W
R304	1-249-409-11	CARBON	220	5%	1/4W
R305	1-249-409-11	CARBON	220	5%	1/4W
R306	1-249-437-11	CARBON	47K	5%	1/4W
R307	1-247-864-11	CARBON	24K	5%	1/4W
R308	1-249-437-11	CARBON	47K	5%	1/4W
R309	1-247-864-11	CARBON	24K	5%	1/4W
R310	1-249-437-11	CARBON	47K	5%	1/4W
R311	1-249-437-11	CARBON	47K	5%	1/4W
R312	1-249-437-11	CARBON	47K	5%	1/4W
R313	1-249-429-11	CARBON	10K	5%	1/4W
R314	1-249-429-11	CARBON	10K	5%	1/4W
R315	1-249-429-11	CARBON	10K	5%	1/4W
R316	1-249-437-11	CARBON	47K	5%	1/4W
R317	1-249-437-11	CARBON	47K	5%	1/4W
R318	1-249-437-11	CARBON	47K	5%	1/4W
R319	1-249-437-11	CARBON	47K	5%	1/4W
R320	1-249-437-11	CARBON	47K	5%	1/4W
R321	1-249-429-11	CARBON	10K	5%	1/4W
R322	1-249-437-11	CARBON	47K	5%	1/4W
R323	1-249-417-11	CARBON	1K	5%	1/4W
R324	1-247-850-11	CARBON	6.2K	5%	1/4W
R325	1-249-420-11	CARBON	1.8K	5%	1/4W
R326	1-249-405-11	CARBON	100	5%	1/4W
R327	1-249-405-11	CARBON	100	5%	1/4W
R328	1-249-420-11	CARBON	1.8K	5%	1/4W
R329	1-247-850-11	CARBON	6.2K	5%	1/4W
R330	1-249-423-11	CARBON	3.3K	5%	1/4W
R331	1-249-425-11	CARBON	4.7K	5%	1/4W
R332	1-249-401-11	CARBON	47	5%	1/4W
R333	1-249-423-11	CARBON	3.3K	5%	1/4W
R334	1-249-425-11	CARBON	4.7K	5%	1/4W
R335	1-249-401-11	CARBON	47	5%	1/4W
R336	1-249-429-11	CARBON	10K	5%	1/4W
R337	1-249-429-11	CARBON	10K	5%	1/4W
R338	1-249-423-11	CARBON	3.3K	5%	1/4W

Ref.No.	Part No.	Description				
R339	1-249-417-11	CARBON	1K	5%	1/4W	
R340	1-249-440-11	CARBON	82K	5%	1/4W	
R341	1-249-440-11	CARBON	82K	5%	1/4W	
R342	1-249-440-11	CARBON	82K	5%	1/4W	
R343	1-249-440-11	CARBON	82K	5%	1/4W	
R344	1-249-388-11	CARBON	3.9	5%	1/4W	
R345	1-249-388-11	CARBON	3.9	5%	1/4W	
R346	1-249-429-11	CARBON	10K	5%	1/4W	
R347	1-249-429-11	CARBON	10K	5%	1/4W	
R348	1-249-429-11	CARBON	10K	5%	1/4W	
R349	1-249-429-11	CARBON	10K	5%	1/4W	
R350	1-249-381-11	CARBON	1	5%	1/4W	
R351	1-249-381-11	CARBON	1	5%	1/4W	
R352 ⚠	1-212-857-00	FUSIBLE	10	5%	1/4W	F
R353 ⚠	1-212-857-00	FUSIBLE	10	5%	1/4W	F
R401	1-249-436-11	CARBON	39K	5%	1/4W	
R402	1-247-874-11	CARBON	62K	5%	1/4W	
R403	1-247-883-00	CARBON	150K	5%	1/4W	
R404	1-247-882-11	CARBON	130K	5%	1/4W	
R405	1-249-437-11	CARBON	47K	5%	1/4W	
R406	1-247-876-11	CARBON	75K	5%	1/4W	
R407	1-247-886-11	CARBON	200K	5%	1/4W	
R408	1-247-876-11	CARBON	75K	5%	1/4W	
R409	1-247-881-00	CARBON	120K	5%	1/4W	
R410	1-247-883-00	CARBON	150K	5%	1/4W	
R411	1-247-874-11	CARBON	62K	5%	1/4W	
R412	1-249-441-11	CARBON	100K	5%	1/4W	
R413	1-247-891-00	CARBON	330K	5%	1/4W	
R414	1-247-881-00	CARBON	120K	5%	1/4W	
R415	1-249-439-11	CARBON	68K	5%	1/4W	
R416	1-249-438-11	CARBON	56K	5%	1/4W	
R417	1-247-876-11	CARBON	75K	5%	1/4W	
R418	1-249-441-11	CARBON	100K	5%	1/4W	
R425	1-249-436-11	CARBON	39K	5%	1/4W	
R426	1-247-874-11	CARBON	62K	5%	1/4W	
R427	1-247-883-00	CARBON	150K	5%	1/4W	
R428	1-247-882-11	CARBON	130K	5%	1/4W	
R429	1-249-437-11	CARBON	47K	5%	1/4W	
R430	1-247-876-11	CARBON	75K	5%	1/4W	
R431	1-247-886-11	CARBON	200K	5%	1/4W	
R432	1-247-876-11	CARBON	75K	5%	1/4W	
R433	1-247-881-00	CARBON	120K	5%	1/4W	
R434	1-247-883-00	CARBON	150K	5%	1/4W	
R435	1-247-874-11	CARBON	62K	5%	1/4W	
R436	1-249-441-11	CARBON	100K	5%	1/4W	
R437	1-247-891-00	CARBON	330K	5%	1/4W	
R438	1-247-881-00	CARBON	120K	5%	1/4W	
R439	1-249-439-11	CARBON	68K	5%	1/4W	
R440	1-249-438-11	CARBON	56K	5%	1/4W	
R441	1-247-876-11	CARBON	75K	5%	1/4W	
R442	1-249-441-11	CARBON	100K	5%	1/4W	
R443	1-247-885-00	CARBON	180K	5%	1/4W	
R444	1-247-868-11	CARBON	36K	5%	1/4W	
R445	1-249-439-11	CARBON	68K	5%	1/4W	
R446	1-247-870-11	CARBON	43K	5%	1/4W	
R447	1-249-438-11	CARBON	56K	5%	1/4W	
R448	1-247-866-11	CARBON	30K	5%	1/4W	

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description			
R449	1-247-882-11	CARBON	130K	5%	1/4W
R450	1-247-872-11	CARBON	51K	5%	1/4W
R451	1-249-437-11	CARBON	47K	5%	1/4W
R452	1-249-438-11	CARBON	56K	5%	1/4W
R453	1-247-876-11	CARBON	75K	5%	1/4W
R454	1-247-874-11	CARBON	62K	5%	1/4W
R455	1-247-885-00	CARBON	180K	5%	1/4W
R456	1-247-876-11	CARBON	75K	5%	1/4W
R457	1-247-866-11	CARBON	30K	5%	1/4W
R458	1-249-435-11	CARBON	33K	5%	1/4W
R459	1-249-441-11	CARBON	100K	5%	1/4W
R460	1-249-439-11	CARBON	68K	5%	1/4W
R461	1-247-887-00	CARBON	220K	5%	1/4W
R501	1-249-437-11	CARBON	47K	5%	1/4W
R502	1-249-437-11	CARBON	47K	5%	1/4W
R503	1-249-437-11	CARBON	47K	5%	1/4W
R504	1-249-437-11	CARBON	47K	5%	1/4W
R505	1-249-405-11	CARBON	100	5%	1/4W
R506	1-215-469-00	METAL	100K	1%	1/6W
R601	1-247-717-11	CARBON	2.2K	5%	1/4W
R602	1-247-717-11	CARBON	2.2K	5%	1/4W
R603	1-249-429-11	CARBON	10K	5%	1/4W
R604	1-249-421-11	CARBON	2.2K	5%	1/4W
R605	1-249-405-11	CARBON	100	5%	1/4W
R606	1-247-717-11	CARBON	2.2K	5%	1/4W
R607	1-247-717-11	CARBON	2.2K	5%	1/4W
R608	1-247-717-11	CARBON	2.2K	5%	1/4W
R609	1-247-704-11	CARBON	220	5%	1/4W
R610	1-247-714-11	CARBON	1.2K	5%	1/4W
R611	1-247-714-11	CARBON	1.2K	5%	1/4W
R612	1-247-713-11	CARBON	1K	5%	1/4W
R613	1-249-421-11	CARBON	2.2K	5%	1/4W
R614	1-249-425-11	CARBON	4.7K	5%	1/4W
R615	1-249-432-11	CARBON	18K	5%	1/4W
R616	1-249-421-11	CARBON	2.2K	5%	1/4W
R617	1-249-421-11	CARBON	2.2K	5%	1/4W
R618	1-247-838-00	CARBON	2K	5%	1/4W
R619	1-249-429-11	CARBON	10K	5%	1/4W
R620	1-249-415-11	CARBON	680	5%	1/4W
R701	1-249-485-11	CARBON	8.2	5%	1/2W
R702	1-249-414-11	CARBON	560	5%	1/4W
R703	1-249-419-11	CARBON	1.5K	5%	1/4W
R704	1-249-417-11	CARBON	1K	5%	1/4W
R705	1-249-425-11	CARBON	4.7K	5%	1/4W
R706	1-249-425-11	CARBON	4.7K	5%	1/4W
R707	1-249-437-11	CARBON	47K	5%	1/4W
R708	1-249-437-11	CARBON	47K	5%	1/4W
R709	1-249-425-11	CARBON	4.7K	5%	1/4W
R710	1-249-417-11	CARBON	1K	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-249-431-11	CARBON	15K	5%	1/4W
R713	1-249-431-11	CARBON	15K	5%	1/4W
R717	1-249-417-11	CARBON	1K	5%	1/4W
R718	1-249-423-11	CARBON	3.3K	5%	1/4W
R719	1-249-437-11	CARBON	47K	5%	1/4W
R720	1-249-485-11	CARBON	8.2	5%	1/2W
R721	1-249-414-11	CARBON	560	5%	1/4W
R722	1-249-419-11	CARBON	1.5K	5%	1/4W
R723	1-249-417-11	CARBON	1K	5%	1/4W
R724	1-249-425-11	CARBON	4.7K	5%	1/4W
R725	1-249-425-11	CARBON	4.7K	5%	1/4W
R726	1-249-437-11	CARBON	47K	5%	1/4W
R727	1-249-437-11	CARBON	47K	5%	1/4W
R728	1-249-425-11	CARBON	4.7K	5%	1/4W
R729	1-249-417-11	CARBON	1K	5%	1/4W
R730	1-249-417-11	CARBON	1K	5%	1/4W
R731	1-249-431-11	CARBON	15K	5%	1/4W
R732	1-249-431-11	CARBON	15K	5%	1/4W
R733	1-249-417-11	CARBON	1K	5%	1/4W
R737	1-249-423-11	CARBON	3.3K	5%	1/4W
R738	1-249-437-11	CARBON	47K	5%	1/4W
R739	1-249-435-11	CARBON	33K	5%	1/4W
R744	1-249-425-11	CARBON	4.7K	5%	1/4W
R747	1-249-417-11	CARBON	1K	5%	1/4W
R748	1-249-435-11	CARBON	33K	5%	1/4W
R749	1-249-437-11	CARBON	47K	5%	1/4W
R750	1-249-437-11	CARBON	47K	5%	1/4W
R751	1-249-437-11	CARBON	47K	5%	1/4W
R752	1-249-425-11	CARBON	4.7K	5%	1/4W
R753	1-249-437-11	CARBON	47K	5%	1/4W
R754	1-249-437-11	CARBON	47K	5%	1/4W
R755	1-247-895-00	CARBON	470K	5%	1/4W
R756	1-247-895-00	CARBON	470K	5%	1/4W
R757	1-247-895-00	CARBON	470K	5%	1/4W
R758	1-247-895-00	CARBON	470K	5%	1/4W
R759	1-249-437-11	CARBON	47K	5%	1/4W
R760	1-249-437-11	CARBON	47K	5%	1/4W
R761	1-249-437-11	CARBON	47K	5%	1/4W
R762	1-249-437-11	CARBON	47K	5%	1/4W
R763	1-249-430-11	CARBON	12K	5%	1/4W
R764	1-249-430-11	CARBON	12K	5%	1/4W
R765	1-249-430-11	CARBON	12K	5%	1/4W
R766	1-249-431-11	CARBON	15K	5%	1/4W
R767	1-249-430-11	CARBON	12K	5%	1/4W
R768	1-249-431-11	CARBON	15K	5%	1/4W
R769	1-249-430-11	CARBON	12K	5%	1/4W
R770	1-249-430-11	CARBON	12K	5%	1/4W
R771	1-249-425-11	CARBON	4.7K	5%	1/4W
R772	1-249-431-11	CARBON	15K	5%	1/4W
R773	1-249-431-11	CARBON	15K	5%	1/4W
R774	1-249-429-11	CARBON	10K	5%	1/4W
R789	1-249-437-11	CARBON	47K	5%	1/4W
R793	1-249-417-11	CARBON	1K	5%	1/4W
R794	1-249-435-11	CARBON	33K	5%	1/4W
R795	1-249-437-11	CARBON	47K	5%	1/4W
R801	1-249-435-11	CARBON	33K	5%	1/4W
R802	1-249-435-11	CARBON	33K	5%	1/4W
R803	1-249-435-11	CARBON	33K	5%	1/4W
R804	1-249-435-11	CARBON	33K	5%	1/4W
R805	1-249-437-11	CARBON	47K	5%	1/4W
R806	1-249-429-11	CARBON	10K	5%	1/4W
R807	1-249-429-11	CARBON	10K	5%	1/4W
R808	1-249-437-11	CARBON	47K	5%	1/4W
R809	1-249-437-11	CARBON	47K	5%	1/4W
R810	1-249-437-11	CARBON	47K	5%	1/4W
R811	1-249-430-11	CARBON	12K	5%	1/4W

Ref.No.	Part No.	Description			
R812	1-247-903-00	CARBON	1M	5%	1/4W
R813	1-249-437-11	CARBON	47K	5%	1/4W
R814	1-249-413-11	CARBON	470	5%	1/4W
R815	1-249-441-11	CARBON	100K	5%	1/4W
R816	1-249-429-11	CARBON	10K	5%	1/4W
R817	1-249-433-11	CARBON	22K	5%	1/4W
R818	1-249-417-11	CARBON	1K	5%	1/4W
R819	1-249-428-11	CARBON	8.2K	5%	1/4W
R820	1-249-423-11	CARBON	3.3K	5%	1/4W
R821	1-249-441-11	CARBON	100K	5%	1/4W
R822	1-249-441-11	CARBON	100K	5%	1/4W
R823	1-249-423-11	CARBON	3.3K	5%	1/4W
R824	1-249-441-11	CARBON	100K	5%	1/4W
R825	1-249-441-11	CARBON	100K	5%	1/4W
R901	1-249-402-11	CARBON	56	5%	1/4W
R902	1-249-407-11	CARBON	150	5%	1/4W
R903	1-249-402-11	CARBON	56	5%	1/4W
R904	1-249-407-11	CARBON	150	5%	1/4W
R905	1-249-403-11	CARBON	68	5%	1/4W
R906	1-249-402-11	CARBON	56	5%	1/4W
R907	1-249-407-11	CARBON	150	5%	1/4W
R908	1-249-402-11	CARBON	56	5%	1/4W
R909	1-249-407-11	CARBON	150	5%	1/4W
R910	1-249-403-11	CARBON	68	5%	1/4W
R911	1-249-404-00	CARBON	82	5%	1/4W
R912	1-249-404-00	CARBON	82	5%	1/4W
R913	1-249-404-00	CARBON	82	5%	1/4W
R914	1-249-403-11	CARBON	68	5%	1/4W
R915	1-249-403-11	CARBON	68	5%	1/4W
R916	1-249-433-11	CARBON	22K	5%	1/4W
R917	1-249-429-11	CARBON	10K	5%	1/4W
R918	1-249-431-11	CARBON	15K	5%	1/4W
R919	1-249-433-11	CARBON	22K	5%	1/4W
R920	1-249-429-11	CARBON	10K	5%	1/4W
R921	1-249-426-11	CARBON	5.6K	5%	1/4W
R922	1-249-433-11	CARBON	22K	5%	1/4W
R923	1-249-429-11	CARBON	10K	5%	1/4W
R924	1-249-426-11	CARBON	5.6K	5%	1/4W
R925	1-249-433-11	CARBON	22K	5%	1/4W
R926	1-249-429-11	CARBON	10K	5%	1/4W
R927	1-249-426-11	CARBON	5.6K	5%	1/4W
R928	1-249-433-11	CARBON	22K	5%	1/4W
R929	1-249-429-11	CARBON	10K	5%	1/4W
R930	1-249-426-11	CARBON	5.6K	5%	1/4W
R931	1-249-433-11	CARBON	22K	5%	1/4W
R932	1-249-428-11	CARBON	8.2K	5%	1/4W
R933	1-249-424-11	CARBON	3.9K	5%	1/4W
R934	1-249-422-11	CARBON	2.7K	5%	1/4W
R935	1-249-424-11	CARBON	3.9K	5%	1/4W
R936	1-249-422-11	CARBON	2.7K	5%	1/4W
RV101	1-228-994-00	RES, ADJ, CARBON 10K			
RV111	1-228-994-00	RES, ADJ, CARBON 10K			
RV121	1-228-994-00	RES, ADJ, CARBON 10K			
RV131	1-228-994-00	RES, ADJ, CARBON 10K			
RV201	1-228-994-00	RES, ADJ, CARBON 10K			
RV211	1-228-994-00	RES, ADJ, CARBON 10K			
RV221	1-228-994-00	RES, ADJ, CARBON 10K			
RV231	1-228-994-00	RES, ADJ, CARBON 10K			
RV301	1-228-993-00	RES, ADJ, CARBON 4.7K			

Ref.No.	Part No.	Description
RV302	1-228-993-00	RES, ADJ, CARBON 4.7K
RV391	1-237-888-11	RES, VAR, CRBON 20K/20K (REC LEVEL)
RV701	1-228-995-00	RES, ADJ, CARBON 22K
RV702	1-228-995-00	RES, ADJ, CARBON 22K
RV703	1-228-995-00	RES, ADJ, CARBON 22K
RV704	1-228-995-00	RES, ADJ, CARBON 22K
RY301	1-515-683-11	RELAY
RY302	1-515-683-11	RELAY
S501	1-571-452-11	SWITCH, SLIDE (DOLBY NR)
S601	1-552-931-00	SWITCH, PUSH (POWER)
S901	1-571-452-11	SWITCH, SLIDE (TIMER)
S902	1-571-452-11	SWITCH, SLIDE (DIRECTION MODE)
S903	1-554-303-21	SWITCH, KEY BOARD (A REC)
S904	1-554-303-21	SWITCH, KEY BOARD (A FF)
S905	1-554-303-21	SWITCH, KEY BOARD (A REW)
S906	1-554-303-21	SWITCH, KEY BOARD (A STOP)
S907	1-554-303-21	SWITCH, KEY BOARD (A REC MUTE)
S908	1-554-303-21	SWITCH, KEY BOARD (A PAUSE)
S909	1-554-303-21	SWITCH, KEY BOARD (A REV)
S910	1-554-303-21	SWITCH, KEY BOARD (A FWD)
S911	1-554-303-21	SWITCH, KEY BOARD (B REC)
S912	1-554-303-21	SWITCH, KEY BOARD (B FF)
S913	1-554-303-21	SWITCH, KEY BOARD (B REW)
S914	1-554-303-21	SWITCH, KEY BOARD (B STOP)
S915	1-554-303-21	SWITCH, KEY BOARD (B REC MUTE)
S916	1-554-303-21	SWITCH, KEY BOARD (B PAUSE)
S917	1-554-303-21	SWITCH, KEY BOARD (B REV)
S918	1-554-303-21	SWITCH, KEY BOARD (B FWD)
S919	1-554-303-21	SWITCH, KEY BOARD (A+B REC)
S920	1-554-303-21	SWITCH, KEY BOARD (AUTO PAUSE)
S921	1-554-303-21	SWITCH, KEY BOARD (NORMAL SPEED)
S922	1-554-303-21	SWITCH, KEY BOARD (HIGH SPEED)
S923	1-554-303-21	SWITCH, KEY BOARD (AMS/BLANK SKIP)
S924	1-554-303-21	SWITCH, KEY BOARD (A/B)
S925	1-554-303-21	SWITCH, KEY BOARD (MEMORY)
S926	1-554-303-21	SWITCH, KEY BOARD (RESET)
S1001	1-570-720-11	SWITCH, PUSH (1 KEY)
S1002	1-570-723-11	SWITCH, PUSH (1 KEY)
S1003	1-570-720-11	SWITCH, PUSH (1 KEY)
S1004	1-570-721-11	SWITCH, LEAF
S1005	1-570-721-11	SWITCH, LEAF
SPK151	1-235-186-00	ENCAPSULATED COMPONENT
SPK251	1-235-186-00	ENCAPSULATED COMPONENT
T301	1-464-725-11	OSCILLATION UNIT, BIAS
T302	1-433-318-11	TRANSFORMER, BIAS OSCILLATION
T303	1-433-318-11	TRANSFORMER, BIAS OSCILLATION
T1001⚠	1-449-214-11	TRANSFORMER, POWER
X701	1-567-771-11	VIBRATOR, CERAMIC (6MHz)
X801	1-567-772-11	VIBRATOR, CERAMIC (4.19MHz)

ACCESSORY & PACKING MATERIAL

1-558-543-11	CORD, CONNECTION
*3-343-647-01	INDIVIDUAL CARTON
*3-343-648-01	CUSHION
3-769-914-11	(UK)....MANUAL, INSTRUCTION
3-769-914-41	(AEP)...MANUAL, INSTRUCTION

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.